

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
 Data File : BG049923.D
 Acq On : 21 Aug 2021 00:15
 Operator : CG/JU
 Sample : M3394-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002

Manual Integrations
 APPROVED

mohammad
 8/23/2021 4:28:27 PM

Quant Time: Aug 21 05:21:52 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 21 05:13:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	36516	20.000	ng	0.02
21) Naphthalene-d8	10.812	136	149600	20.000	ng	# 0.01
39) Acenaphthene-d10	14.648	164	91600	20.000	ng	0.00
64) Phenanthrene-d10	17.409	188	160661	20.000	ng	# 0.02
76) Chrysene-d12	21.709	240	158696	20.000	ng	# 0.05
86) Perylene-d12	24.957	264	96239	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.542	112	165689	81.338	ng	0.01
7) Phenol-d6	7.164	99	236926	76.836	ng	0.02
23) Nitrobenzene-d5	9.161	82	177756	52.580	ng	0.00
42) 2,4,6-Tribromophenol	16.146	330	104660	77.733	ng	0.01
45) 2-Fluorobiphenyl	13.261	172	372508	59.173	ng	0.00
79) Terphenyl-d14	20.017	244	404713	46.318	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	10.859	128	21182	2.704	ng	98
37) 2-Methylnaphthalene	12.474	142	25876	4.384	ng	99
38) 1-Methylnaphthalene	12.692	142	28124m	5.070	ng	
46) 1,1'-Biphenyl	13.473	154	14559	2.232	ng	99
49) Acenaphthylene	14.378	152	200371	24.261	ng	97
52) Acenaphthene	14.712	154	83474	16.778	ng	97
55) Dibenzofuran	15.047	168	200253	24.812	ng	94
58) Fluorene	15.699	166	301125	45.903	ng	100
71) Phenanthrene	17.473	178	4224105m	499.740	ng	
72) Anthracene	17.550	178	1172821	141.282	ng	97
73) Carbazole	17.808	167	358924	45.652	ng	97
75) Fluoranthene	19.500	202	5302832	509.822	ng	71
78) Pyrene	19.858	202	4122453	381.036	ng	# 75
81) Benzo(a)anthracene	21.691	228	2814066	272.288	ng	# 90
83) Chrysene	21.762	228	2388255	241.746	ng	# 85
87) Indeno(1,2,3-cd)pyrene	28.693	276	536499	77.299	ng	# 93
88) Benzo(b)fluoranthene	23.953	252	2313977	366.608	ng	# 90
89) Benzo(k)fluoranthene	24.000	252	1018211m	172.944	ng	
90) Benzo(a)pyrene	24.828	252	1545384	270.543	ng	# 91
91) Dibenzo(a,h)anthracene	28.723	278	141435	24.183	ng	# 87
92) Benzo(g,h,i)perylene	29.857	276	376374	65.686	ng	97

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

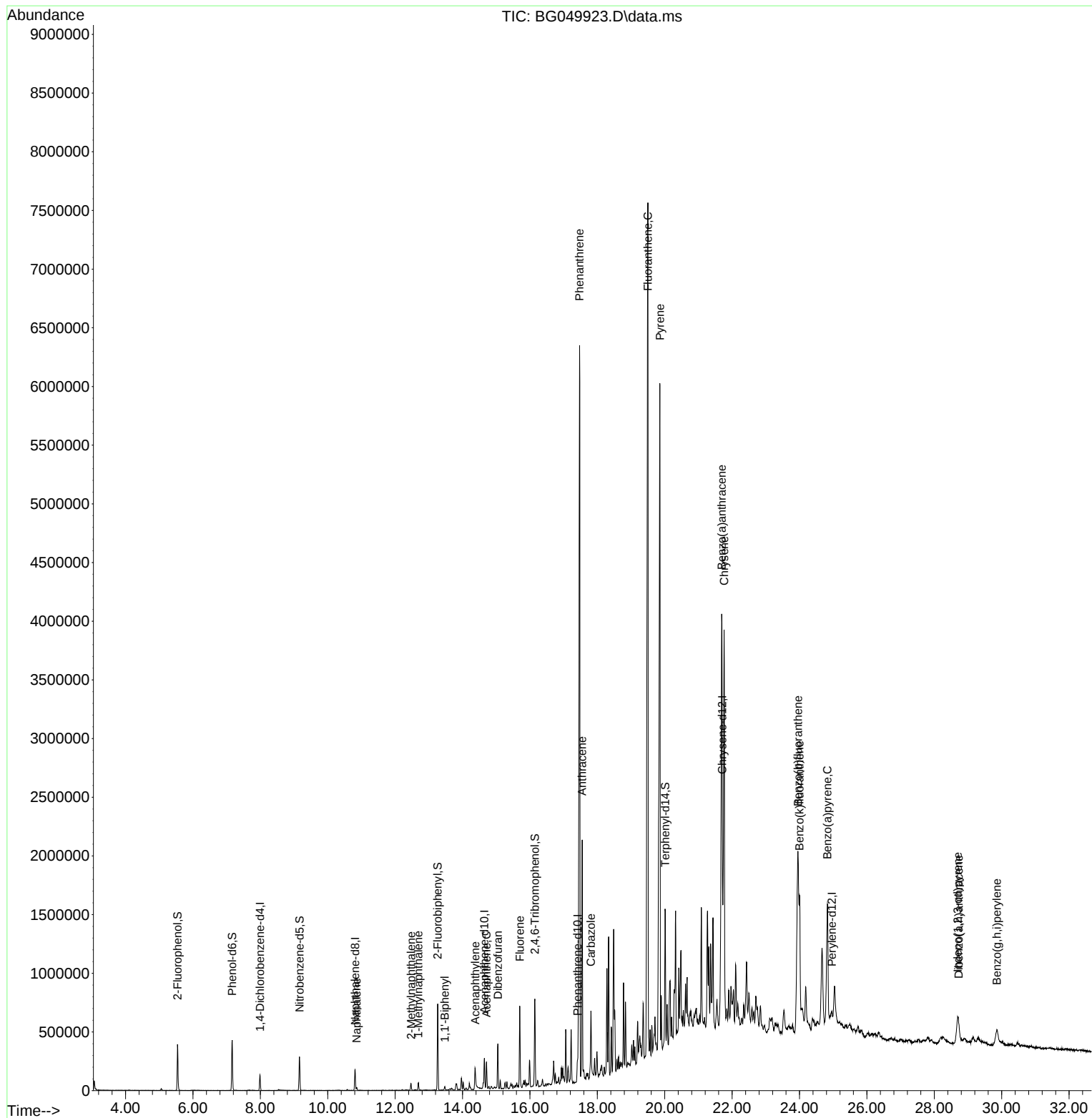
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
Data File : BG049923.D
Acq On : 21 Aug 2021 00:15
Operator : CG/JU
Sample : M3394-22
Misc :
ALS Vial : 11 Sample Multiplier: 1

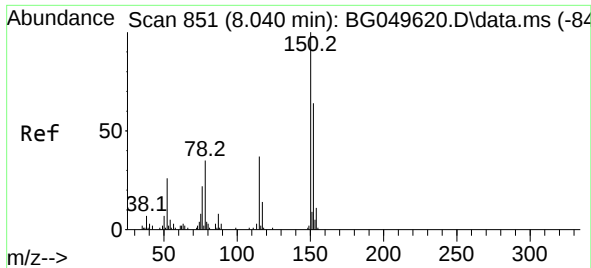
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002

Manual Integrations
APPROVED

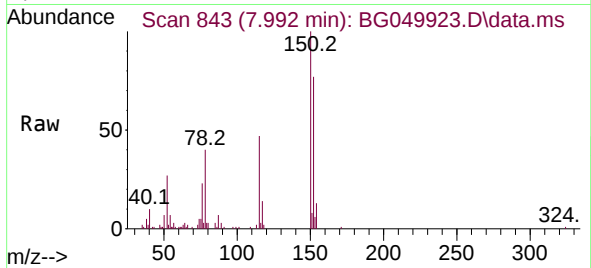
mohammad
8/23/2021 4:28:27 PM

Quant Time: Aug 21 05:21:52 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 21 05:13:22 2021
Response via : Initial Calibration

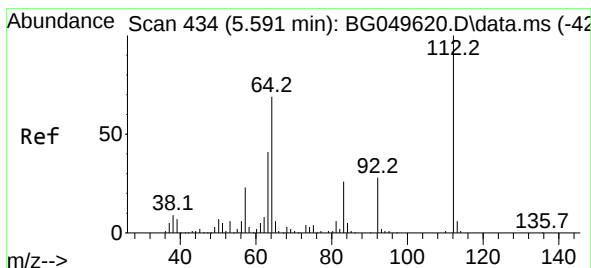
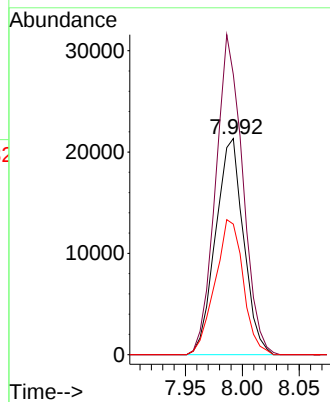
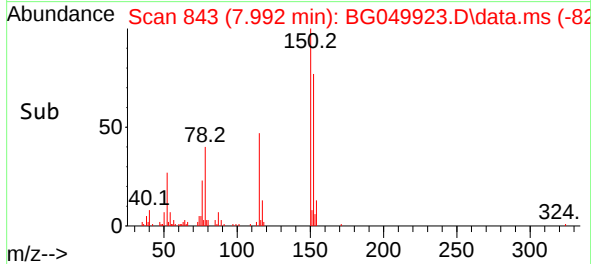




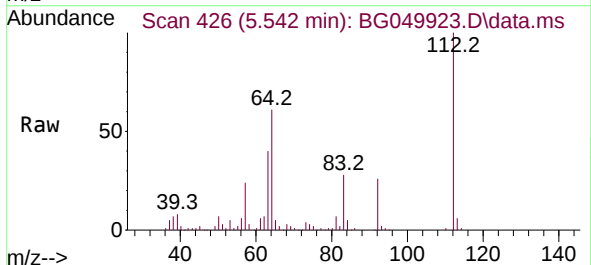
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 843
Delta R.T. 0.015 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15



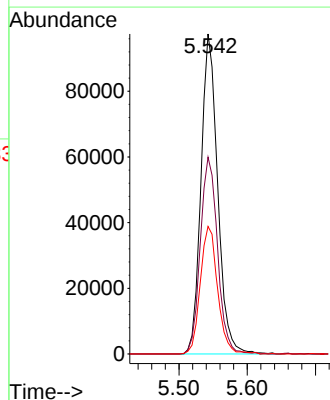
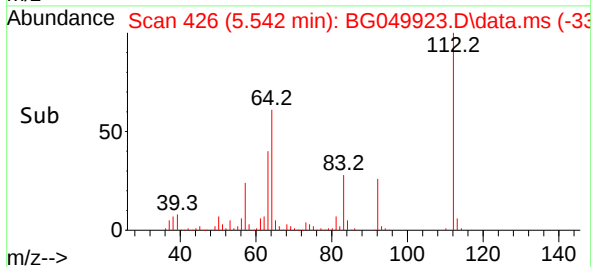
Tgt Ion:152 Resp: 36516
Ion Ratio Lower Upper
152 100
150 129.6 119.4 179.0
115 60.4 60.2 90.4



#5
2-Fluorophenol
Concen: 81.338 ng
RT: 5.542 min Scan# 426
Delta R.T. 0.015 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15



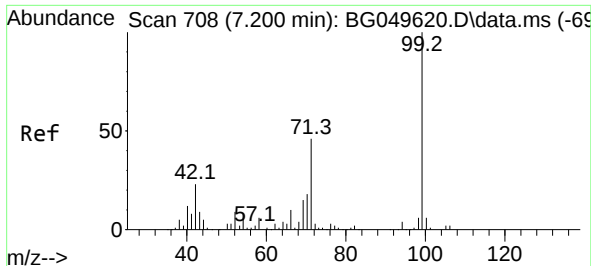
Tgt Ion:112 Resp: 165689
Ion Ratio Lower Upper
112 100
64 61.5 46.7 70.1
63 39.9 35.3 52.9



Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002

Manual Integrations
APPROVED

mohammad
8/23/2021 4:28:27 PM



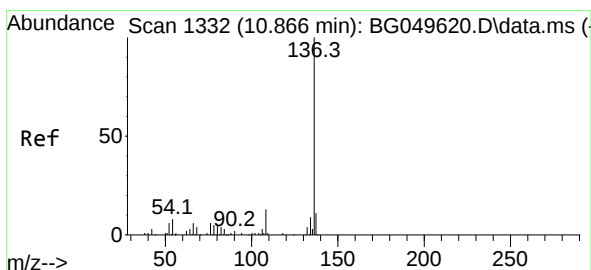
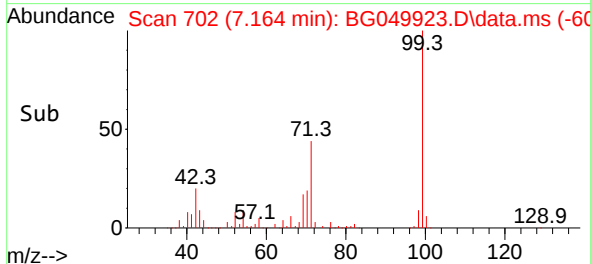
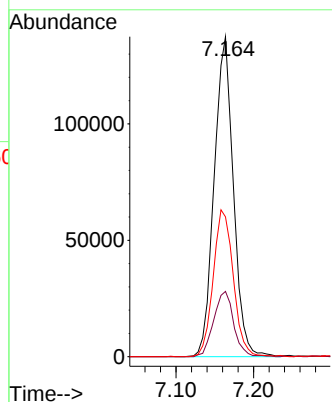
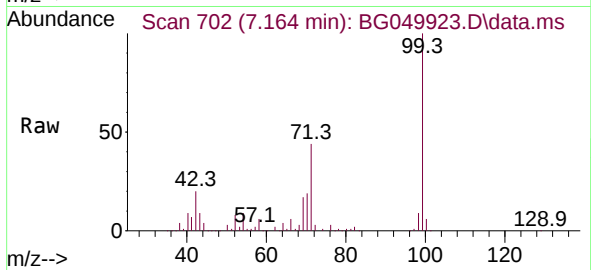
#7
Phenol-d6
Concen: 76.836 ng
RT: 7.164 min Scan# 702
Delta R.T. 0.021 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

Tgt Ion: 99 Resp: 236926
Ion Ratio Lower Upper
99 100
42 20.4 20.5 30.7#
71 43.7 41.5 62.3

Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002

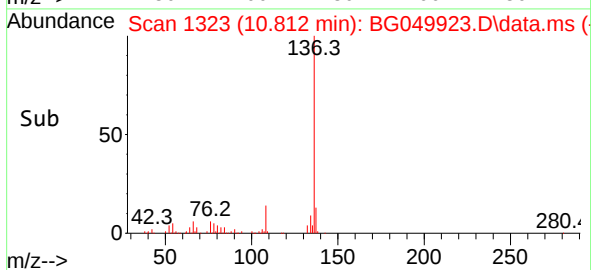
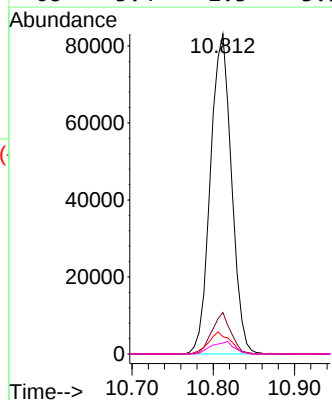
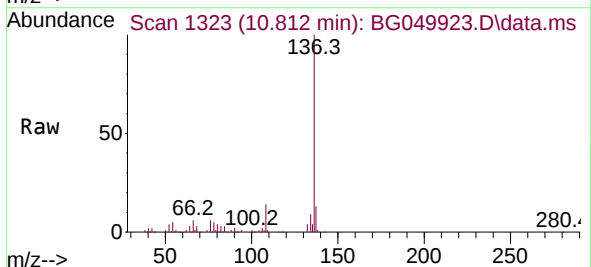
Manual Integrations
APPROVED

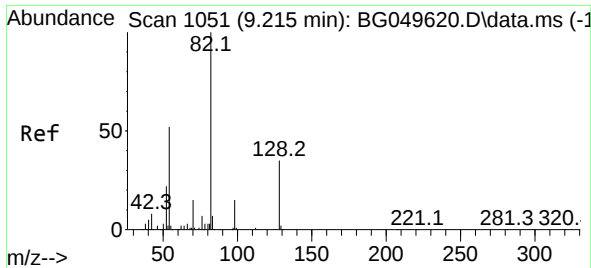
mohammad
8/23/2021 4:28:27 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.812 min Scan# 1323
Delta R.T. 0.015 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

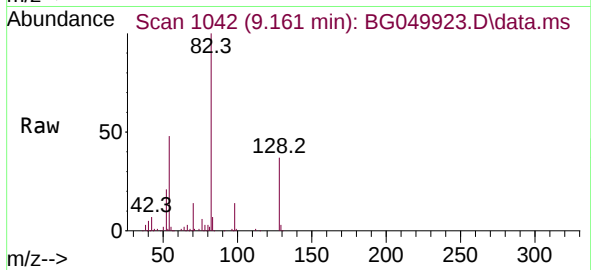
Tgt Ion: 136 Resp: 149600
Ion Ratio Lower Upper
136 100
137 12.9 8.2 12.2#
54 5.4 5.5 8.3#
68 3.4 2.3 3.5





#23
Nitrobenzene-d5
Concen: 52.580 ng
RT: 9.161 min Scan# 1042
Delta R.T. 0.009 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

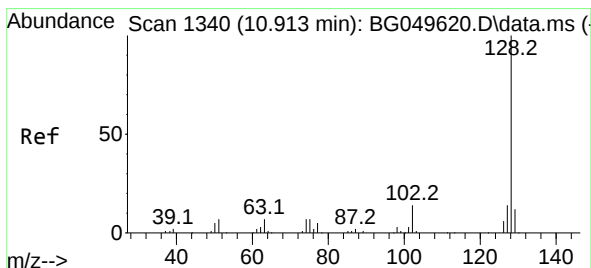
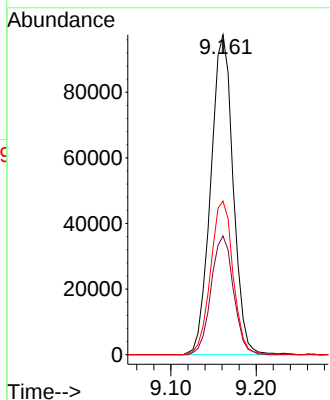
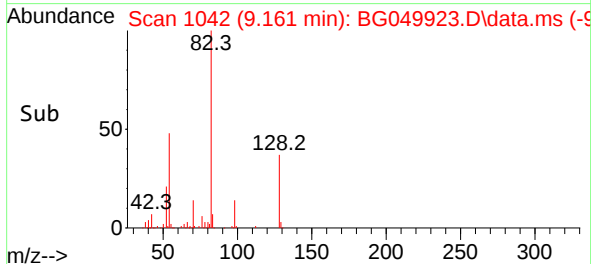
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002



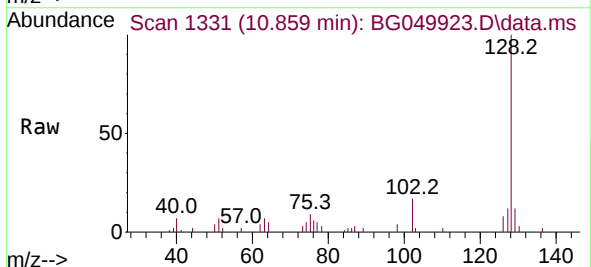
Tgt Ion: 82 Resp: 177756
Ion Ratio Lower Upper
82 100
128 37.1 29.8 44.6
54 48.0 45.8 68.8

Manual Integrations
APPROVED

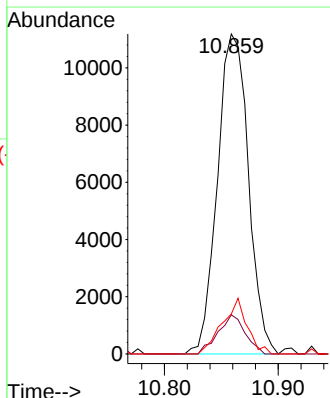
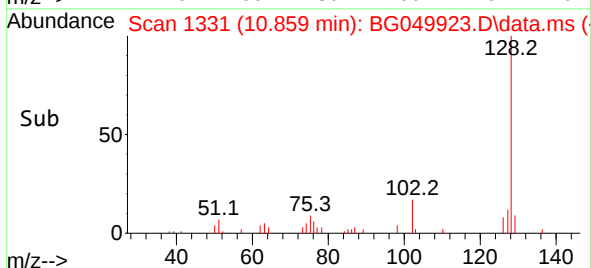
mohammad
8/23/2021 4:28:27 PM

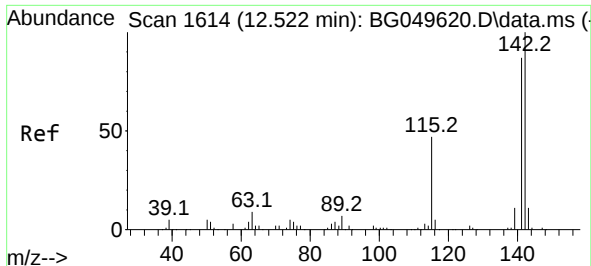


#31
Naphthalene
Concen: 2.704 ng
RT: 10.859 min Scan# 1331
Delta R.T. 0.009 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15



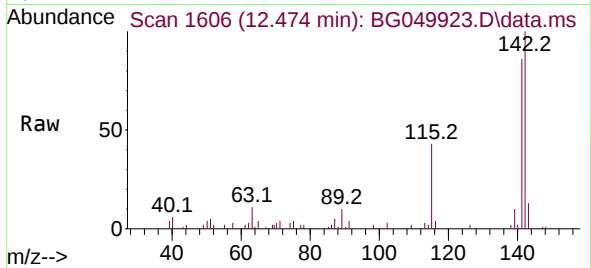
Tgt Ion: 128 Resp: 21182
Ion Ratio Lower Upper
128 100
129 12.3 8.5 12.7
127 12.5 10.2 15.4





#37
2-Methylnaphthalene
Concen: 4.384 ng
RT: 12.474 min Scan# 1606
Delta R.T. 0.015 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

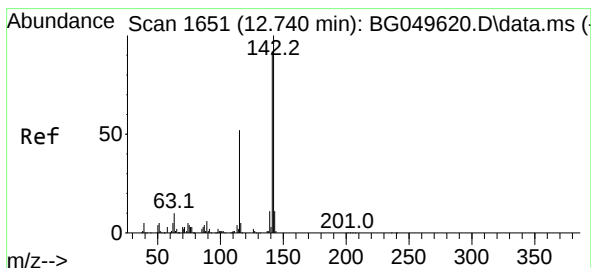
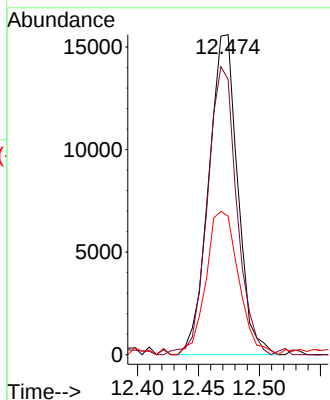
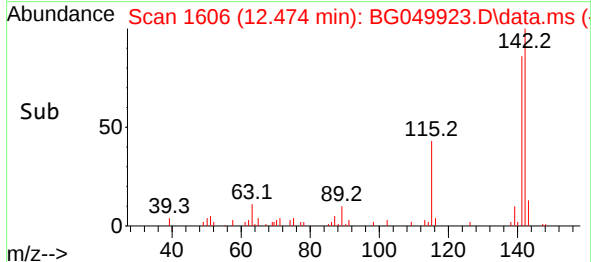
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002



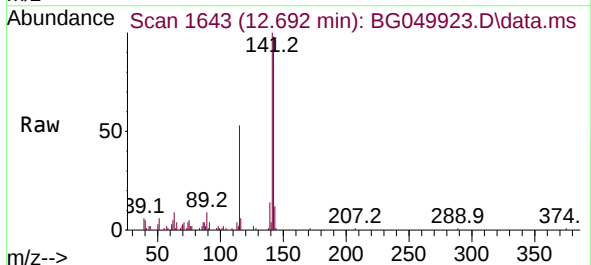
Tgt Ion:142 Resp: 25876
Ion Ratio Lower Upper
142 100
141 86.1 68.8 103.2
115 43.3 36.4 54.6

Manual Integrations
APPROVED

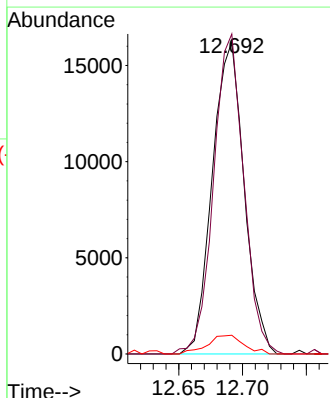
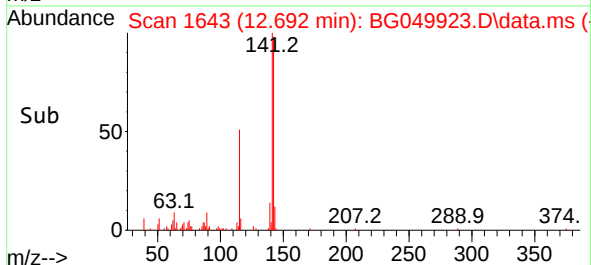
mohammad
8/23/2021 4:28:27 PM

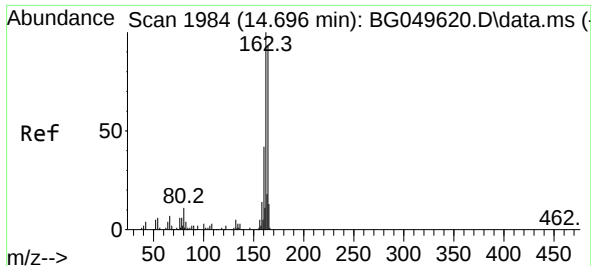


#38
1-Methylnaphthalene
Concen: 5.070 ng m
RT: 12.692 min Scan# 1643
Delta R.T. 0.015 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15



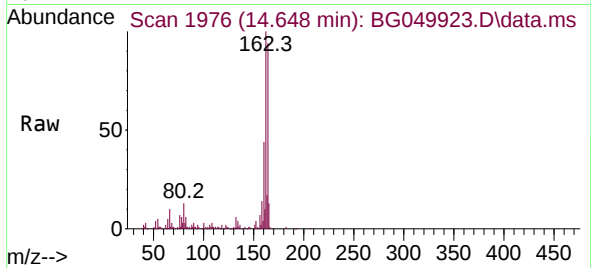
Tgt Ion:142 Resp: 28124
Ion Ratio Lower Upper
142 100
141 102.5 70.6 106.0
116 6.0 4.0 6.0#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.648 min Scan# 1976
Delta R.T. 0.009 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

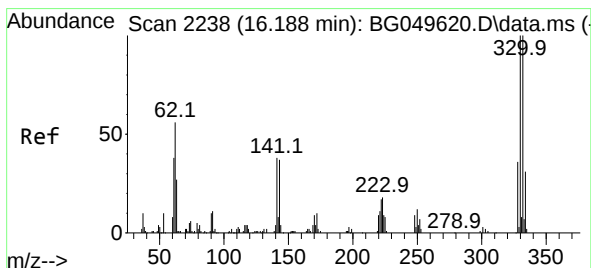
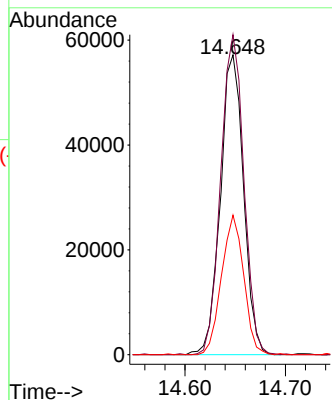
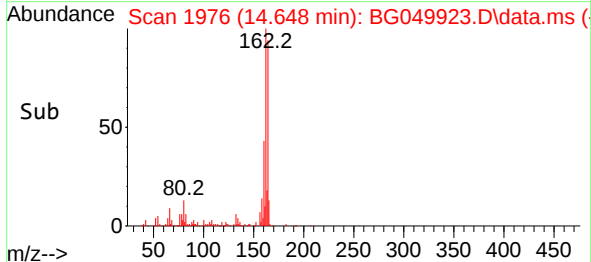
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002



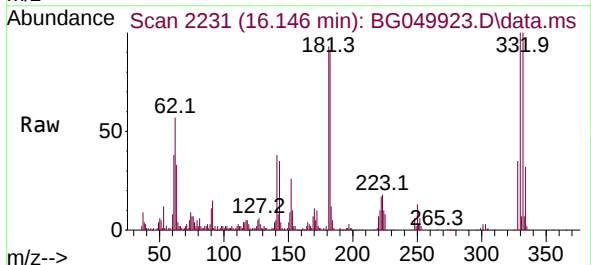
Tgt Ion:164 Resp: 91600
Ion Ratio Lower Upper
164 100
162 106.7 81.4 122.0
160 46.5 34.9 52.3

Manual Integrations
APPROVED

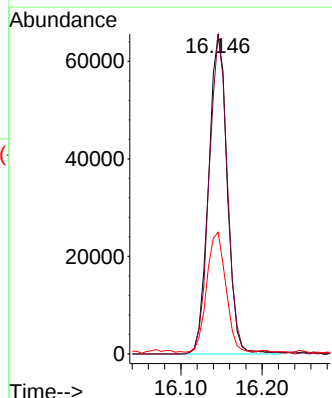
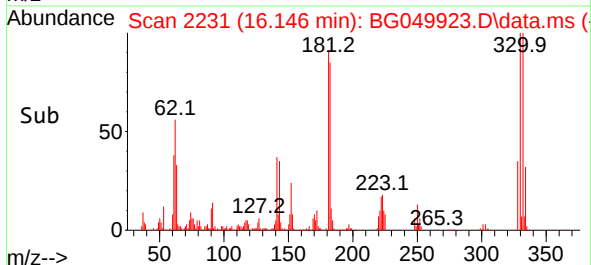
mohammad
8/23/2021 4:28:27 PM

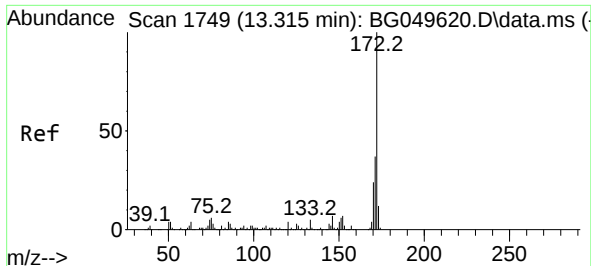


#42
2,4,6-Tribromophenol
Concen: 77.733 ng
RT: 16.146 min Scan# 2231
Delta R.T. 0.015 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15



Tgt Ion:330 Resp: 104660
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 38.4 35.6 53.4





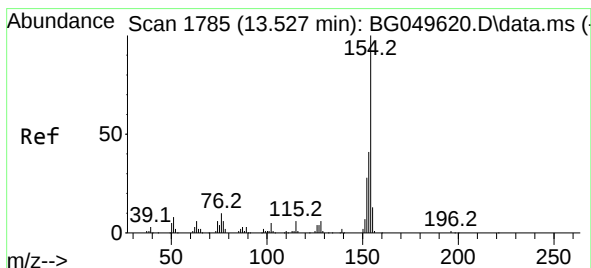
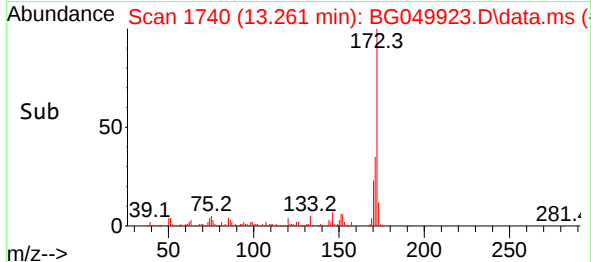
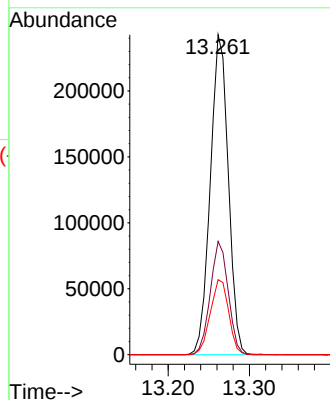
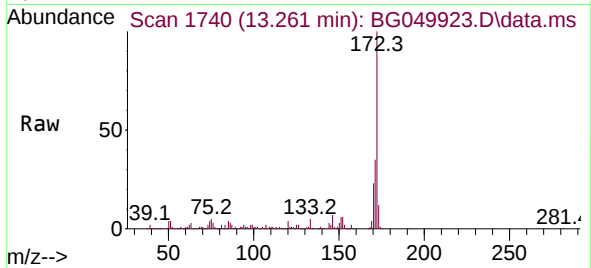
#45
2-Fluorobiphenyl
Concen: 59.173 ng
RT: 13.261 min Scan# 1740
Delta R.T. 0.009 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

Tgt Ion:172 Resp: 372508
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.4 18.6 27.8

Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002

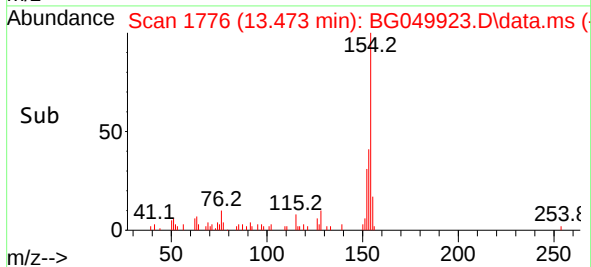
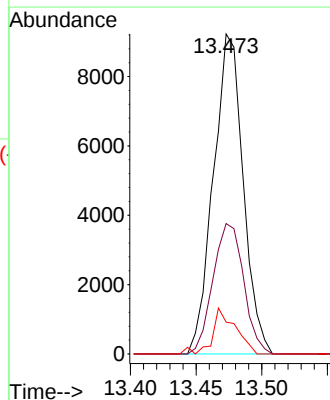
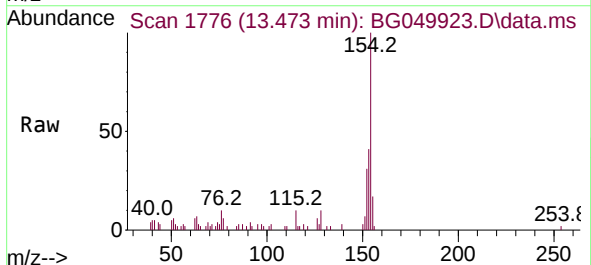
Manual Integrations
APPROVED

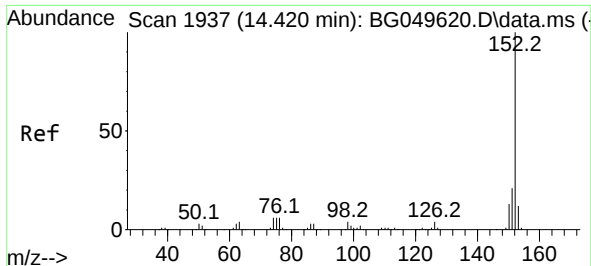
mohammad
8/23/2021 4:28:27 PM



#46
1,1'-Biphenyl
Concen: 2.232 ng
RT: 13.473 min Scan# 1776
Delta R.T. 0.009 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

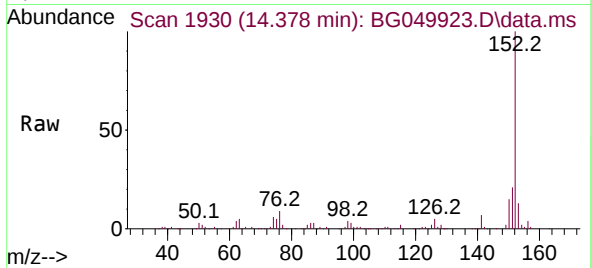
Tgt Ion:154 Resp: 14559
Ion Ratio Lower Upper
154 100
153 40.8 20.5 60.5
76 9.9 0.0 29.3





#49
Acenaphthylene
Concen: 24.261 ng
RT: 14.378 min Scan# 1930
Delta R.T. 0.021 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

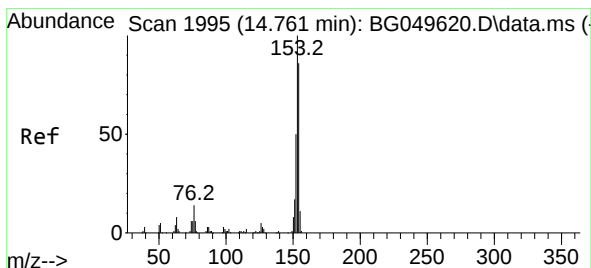
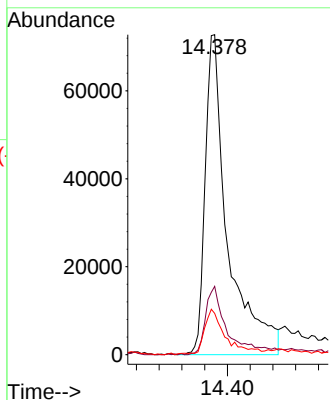
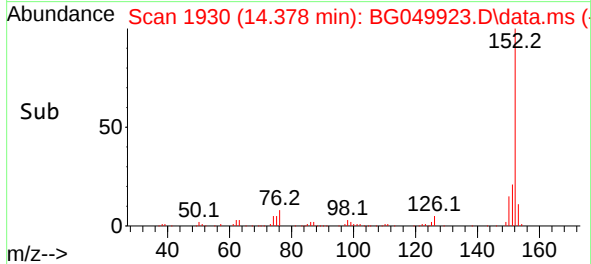
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002



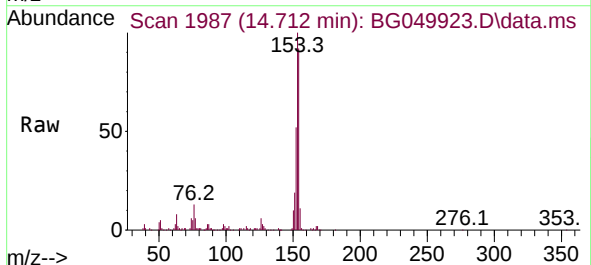
Tgt Ion:152 Resp: 200371
Ion Ratio Lower Upper
152 100
151 21.4 18.2 27.4
153 12.9 11.7 17.5

Manual Integrations
APPROVED

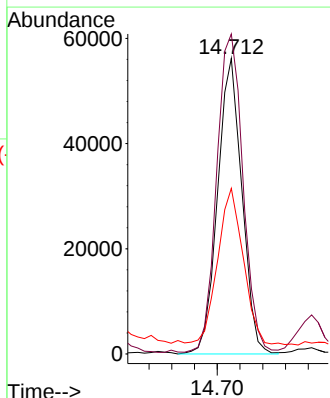
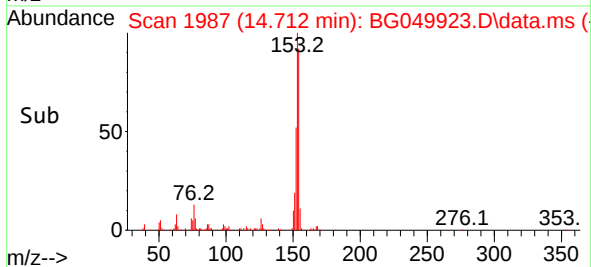
mohammad
8/23/2021 4:28:27 PM

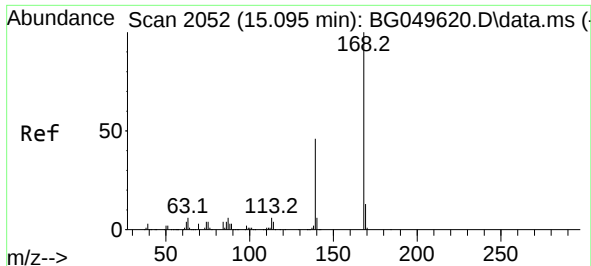


#52
Acenaphthene
Concen: 16.778 ng
RT: 14.712 min Scan# 1987
Delta R.T. 0.015 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

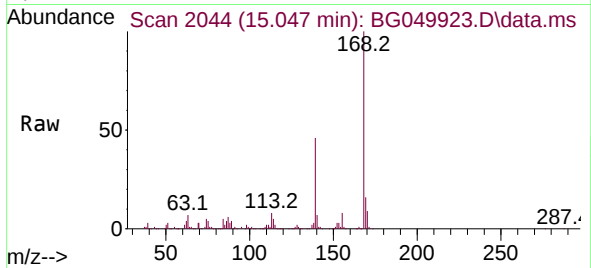


Tgt Ion:154 Resp: 83474
Ion Ratio Lower Upper
154 100
153 108.3 87.0 130.4
152 56.0 40.1 60.1

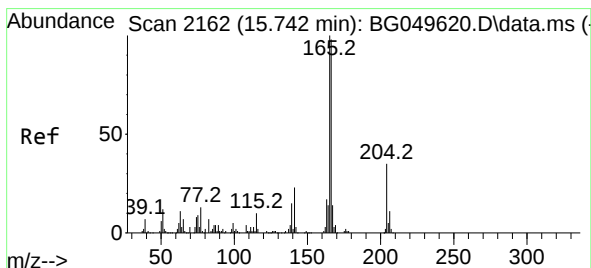
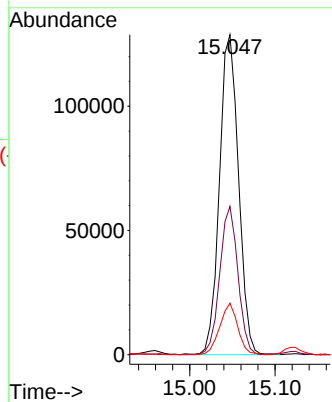
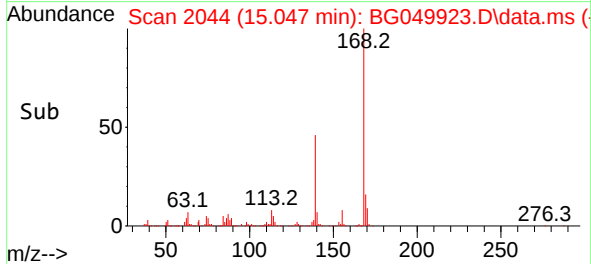




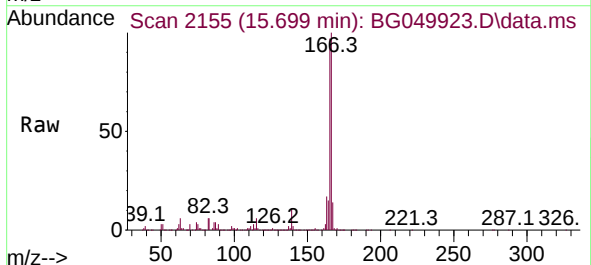
#55
Dibenzenofuran
Concen: 24.812 ng
RT: 15.047 min Scan# 2044
Delta R.T. 0.015 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15



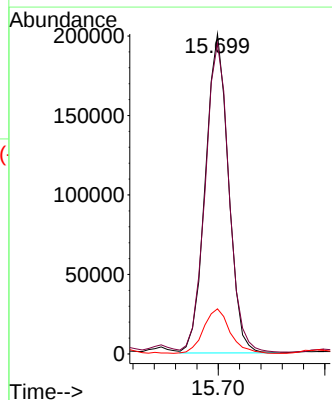
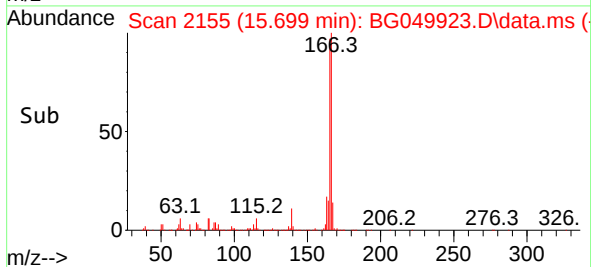
Tgt Ion:168 Resp: 200253
Ion Ratio Lower Upper
168 100
139 46.3 33.4 50.2
169 16.1 12.3 18.5



#58
Fluorene
Concen: 45.903 ng
RT: 15.699 min Scan# 2155
Delta R.T. 0.015 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15



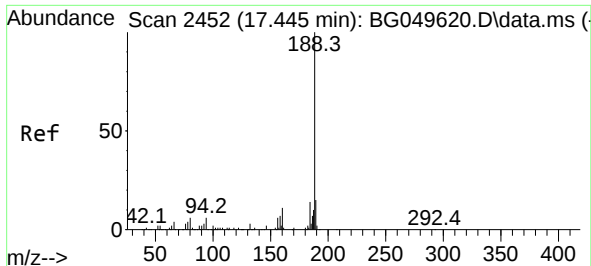
Tgt Ion:166 Resp: 301125
Ion Ratio Lower Upper
166 100
165 97.1 77.7 116.5
167 14.1 10.8 16.2



Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002

Manual Integrations
APPROVED

mohammad
8/23/2021 4:28:27 PM



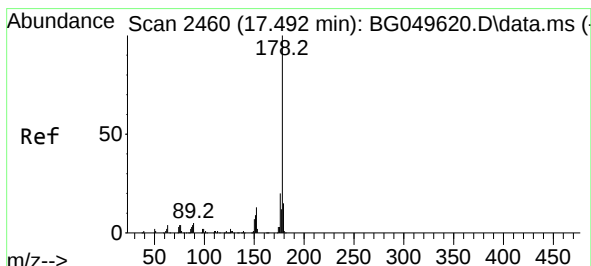
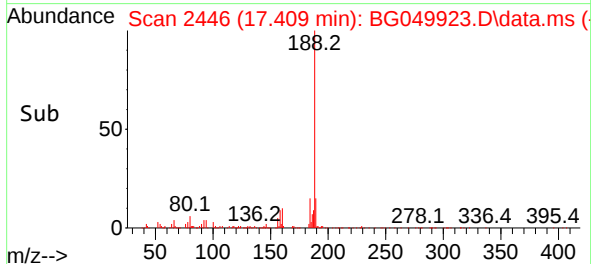
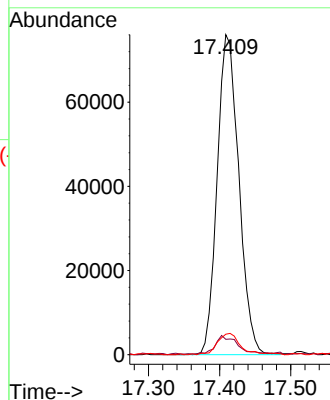
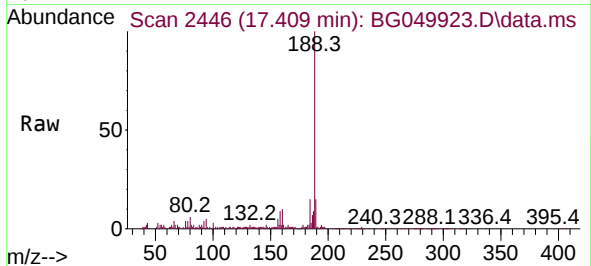
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.409 min Scan# 2446
Delta R.T. 0.021 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

Tgt Ion:188 Resp: 160661
Ion Ratio Lower Upper
188 100
94 4.8 5.4 8.0#
80 6.4 3.7 5.5#

Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002

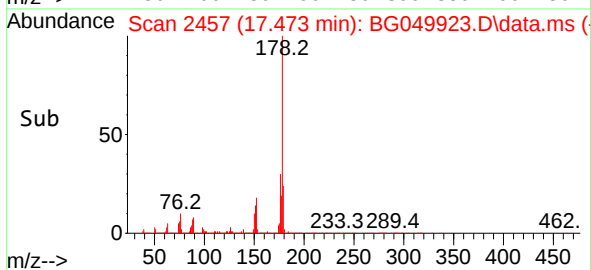
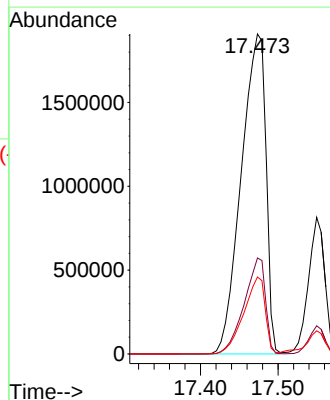
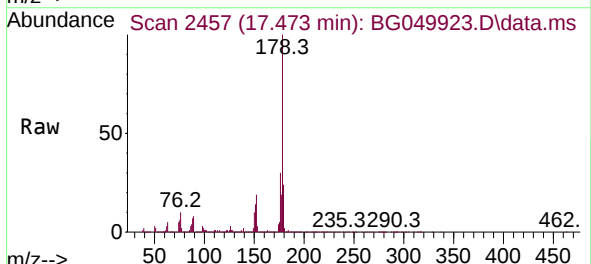
Manual Integrations
APPROVED

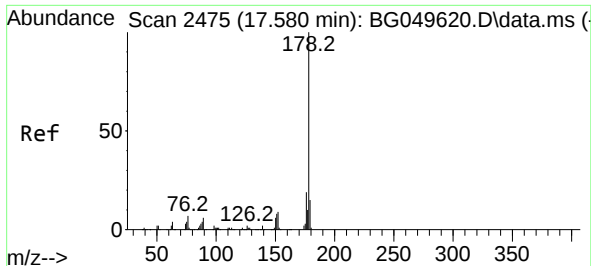
mohammad
8/23/2021 4:28:27 PM



#71
Phenanthrene
Concen: 499.740 ng m
RT: 17.473 min Scan# 2457
Delta R.T. 0.044 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

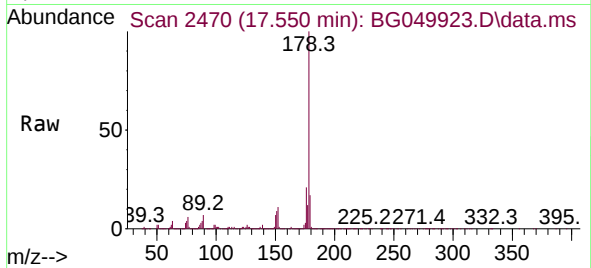
Tgt Ion:178 Resp: 4224105
Ion Ratio Lower Upper
178 100
176 30.0 16.0 24.0#
179 24.0 14.2 21.4#





#72
 Anthracene
 Concen: 141.282 ng
 RT: 17.550 min Scan# 2470
 Delta R.T. 0.027 min
 Lab File: BG049923.D
 Acq: 21 Aug 2021 00:15

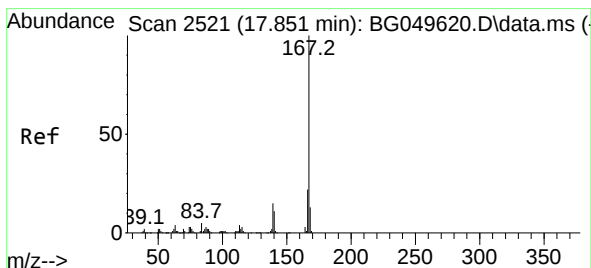
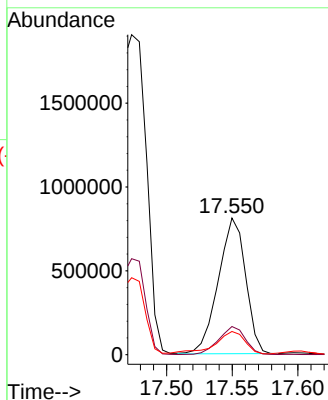
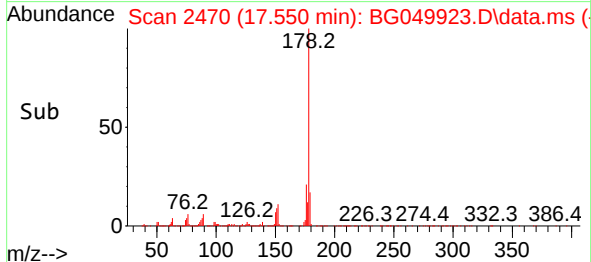
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002



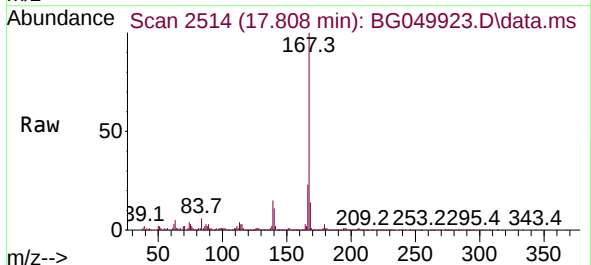
Tgt Ion:178 Resp: 1172821
 Ion Ratio Lower Upper
 178 100
 176 20.6 14.6 21.8
 179 17.0 13.4 20.0

Manual Integrations
 APPROVED

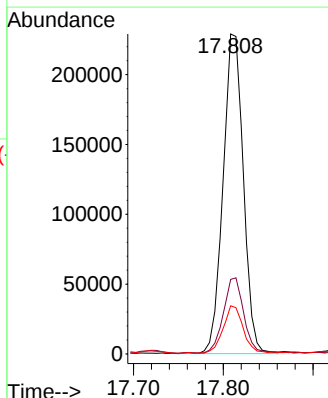
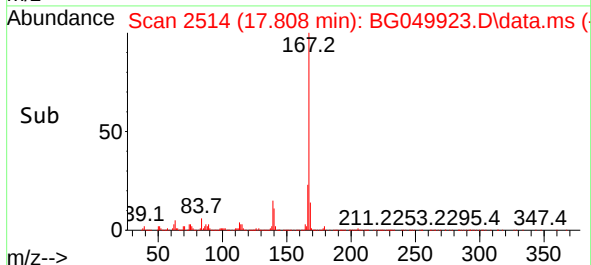
mohammad
 8/23/2021 4:28:27 PM

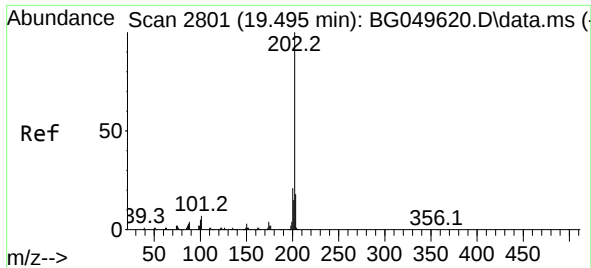


#73
 Carbazole
 Concen: 45.652 ng
 RT: 17.808 min Scan# 2514
 Delta R.T. 0.015 min
 Lab File: BG049923.D
 Acq: 21 Aug 2021 00:15

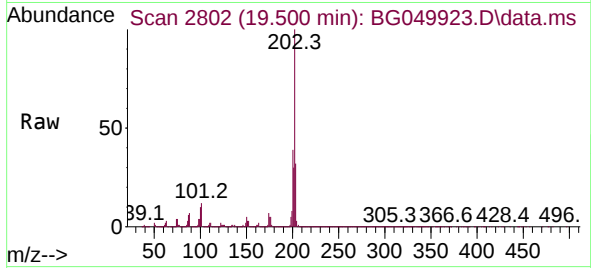


Tgt Ion:167 Resp: 358924
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.4 26.2
 139 15.0 10.7 16.1



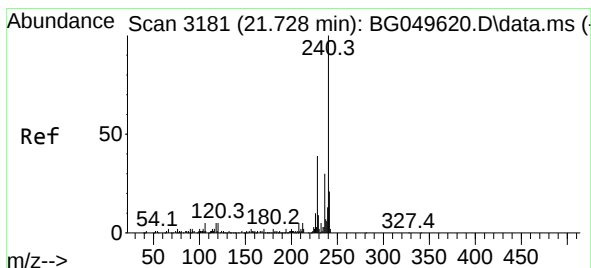
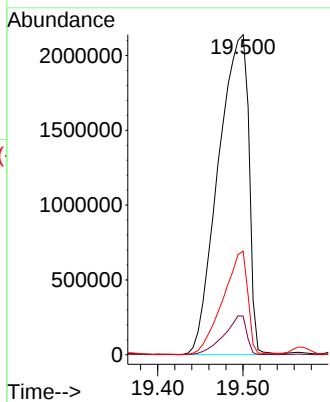
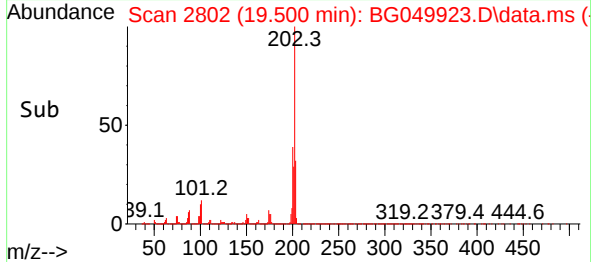


#75
Fluoranthene
Concen: 509.822 ng
RT: 19.500 min Scan# 2802
Delta R.T. 0.056 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

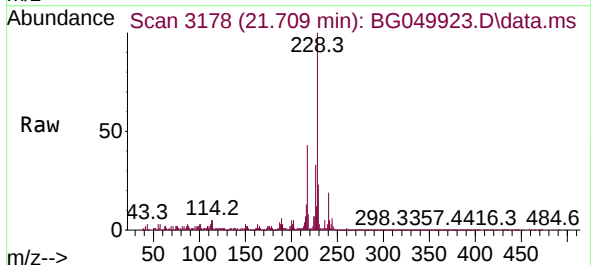


Tgt Ion:202 Resp: 5302832

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	24.7
203	32.4	0.0	38.5

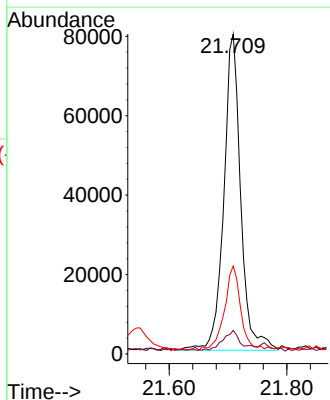
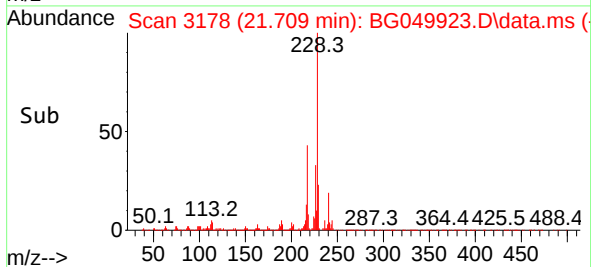


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.709 min Scan# 3178
Delta R.T. 0.050 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15



Tgt Ion:240 Resp: 158696

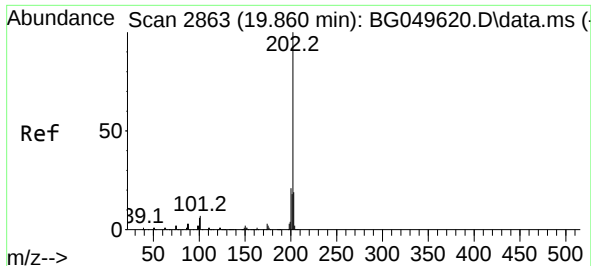
Ion	Ratio	Lower	Upper
240	100		
120	7.3	4.2	6.2#
236	27.5	21.8	32.6



Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002

Manual Integrations
APPROVED

mohammad
8/23/2021 4:28:27 PM



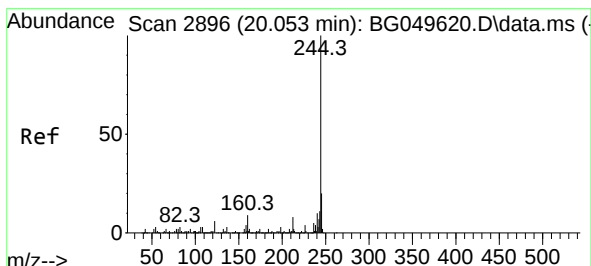
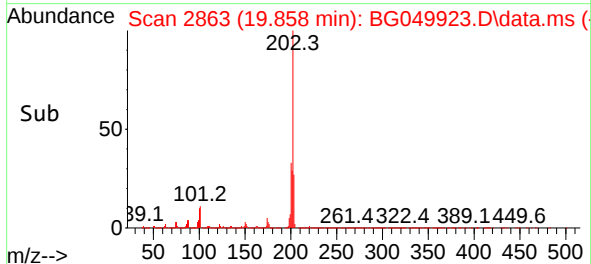
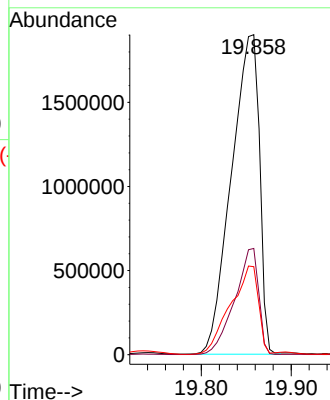
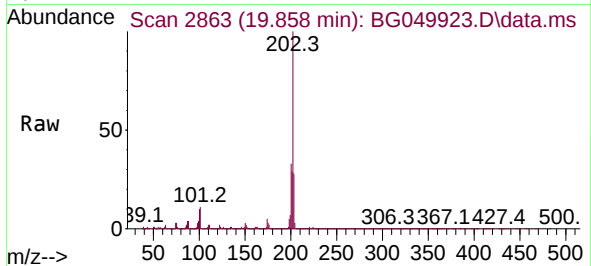
#78
Pyrene
Concen: 381.036 ng
RT: 19.858 min Scan# 2863
Delta R.T. 0.056 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

Tgt Ion:202 Resp: 4122453
Ion Ratio Lower Upper
202 100
200 33.2 15.8 23.8#
203 27.5 14.6 21.8#

Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002

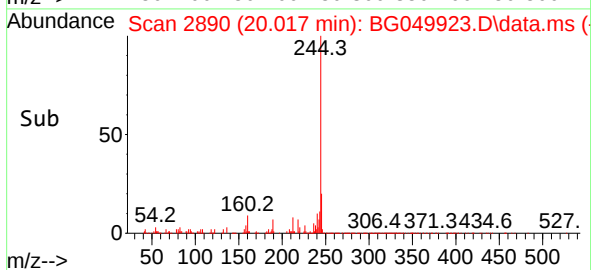
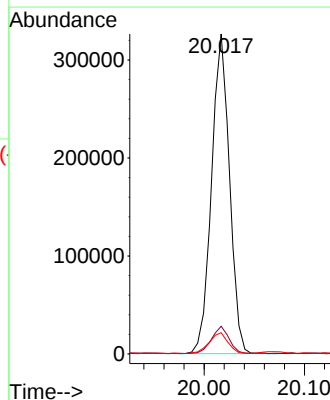
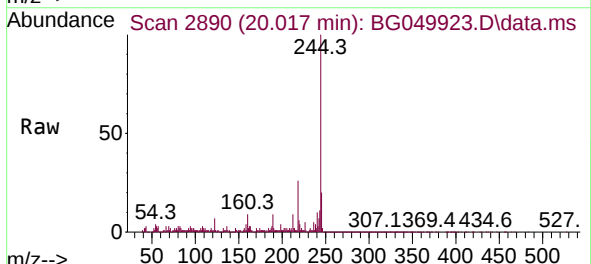
Manual Integrations
APPROVED

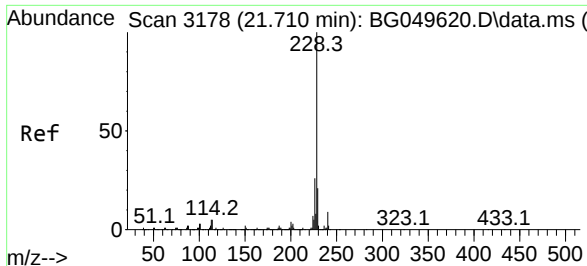
mohammad
8/23/2021 4:28:27 PM



#79
Terphenyl-d14
Concen: 46.318 ng
RT: 20.017 min Scan# 2890
Delta R.T. 0.021 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

Tgt Ion:244 Resp: 404713
Ion Ratio Lower Upper
244 100
212 8.7 6.9 10.3
122 6.7 5.0 7.6





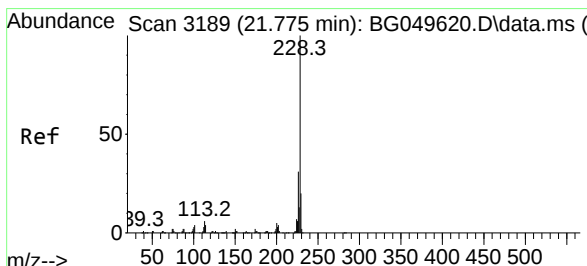
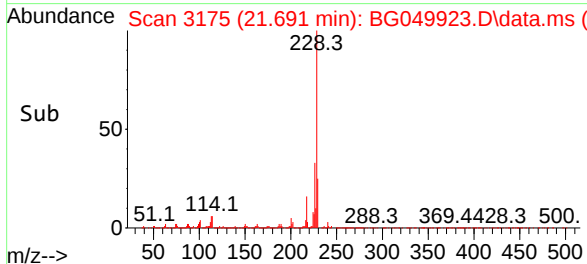
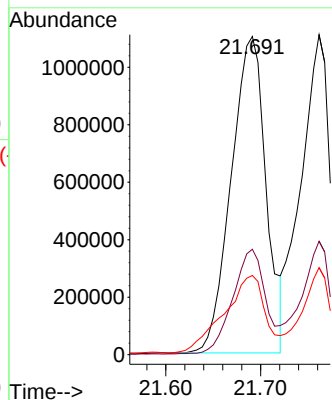
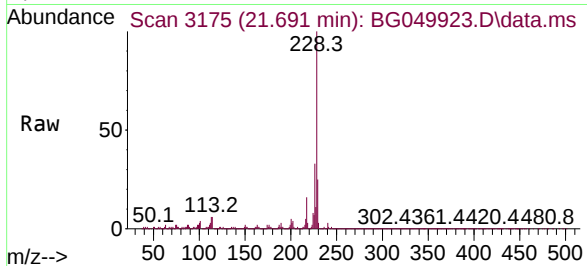
#81
Benzo(a)anthracene
Concen: 272.288 ng
RT: 21.691 min Scan# 3175
Delta R.T. 0.050 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

Tgt Ion:228 Resp: 2814066
Ion Ratio Lower Upper
228 100
226 33.1 22.7 34.1
229 24.9 16.0 24.0#

Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002

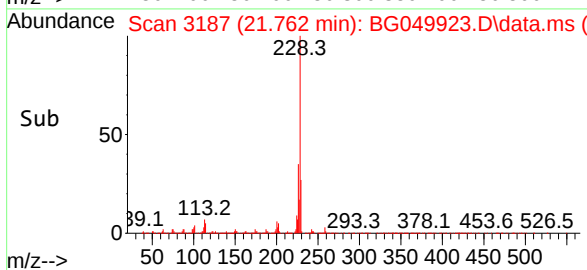
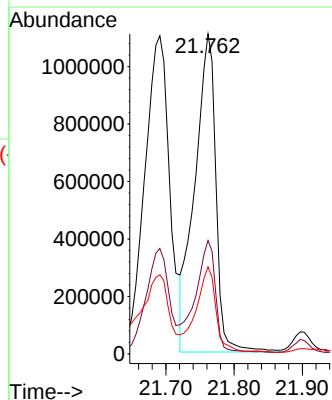
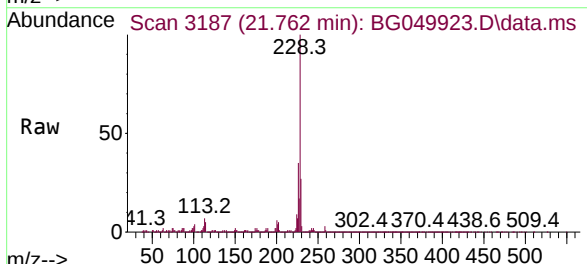
Manual Integrations
APPROVED

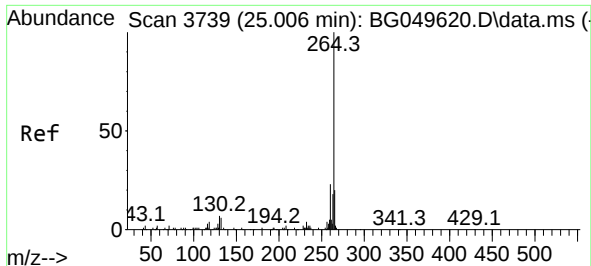
mohammad
8/23/2021 4:28:27 PM



#83
Chrysene
Concen: 241.746 ng
RT: 21.762 min Scan# 3187
Delta R.T. 0.056 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

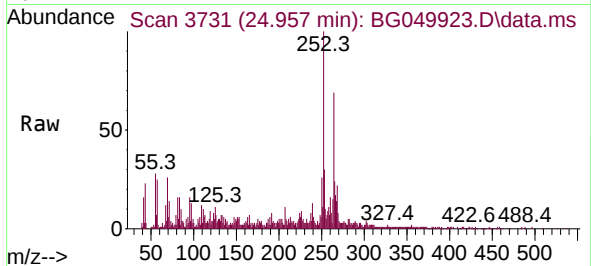
Tgt Ion:228 Resp: 2388255
Ion Ratio Lower Upper
228 100
226 35.5 23.1 34.7#
229 27.2 15.3 22.9#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.957 min Scan# 3731
 Delta R.T. 0.074 min
 Lab File: BG049923.D
 Acq: 21 Aug 2021 00:15

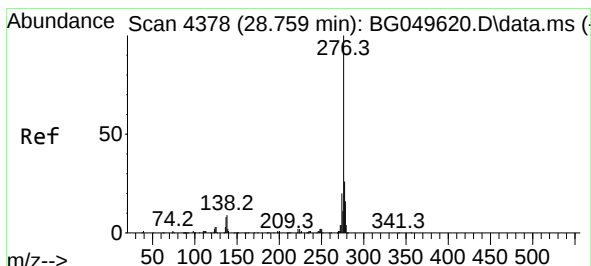
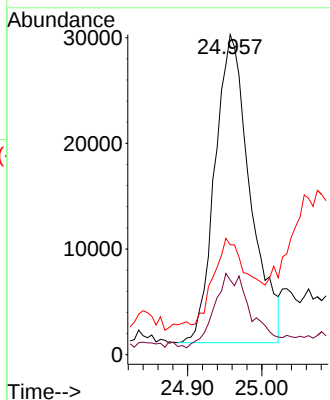
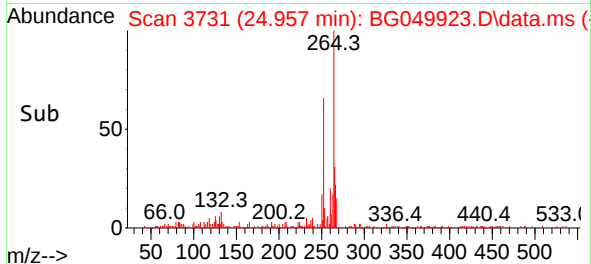
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002



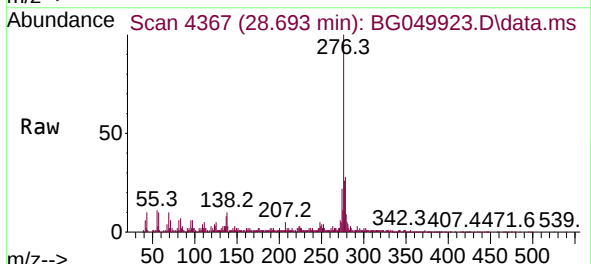
Tgt Ion:264 Resp: 96239
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.2
 265 34.3 16.9 25.3#

Manual Integrations
 APPROVED

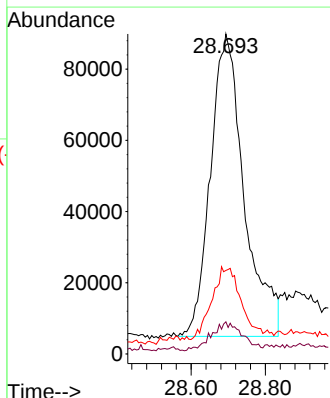
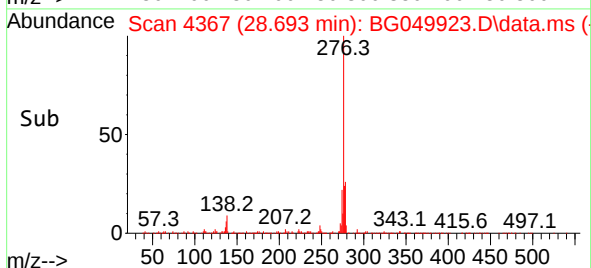
mohammad
 8/23/2021 4:28:27 PM

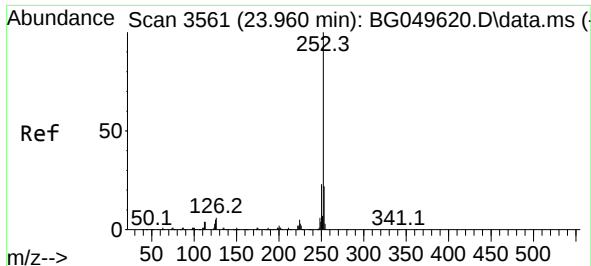


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 77.299 ng
 RT: 28.693 min Scan# 4367
 Delta R.T. 0.115 min
 Lab File: BG049923.D
 Acq: 21 Aug 2021 00:15



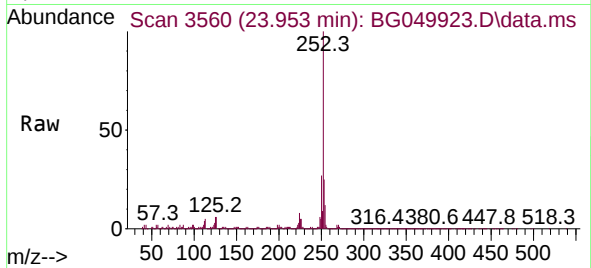
Tgt Ion:276 Resp: 536499
 Ion Ratio Lower Upper
 276 100
 138 8.7 5.1 7.7#
 277 20.9 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 366.608 ng
RT: 23.953 min Scan# 3560
Delta R.T. 0.091 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

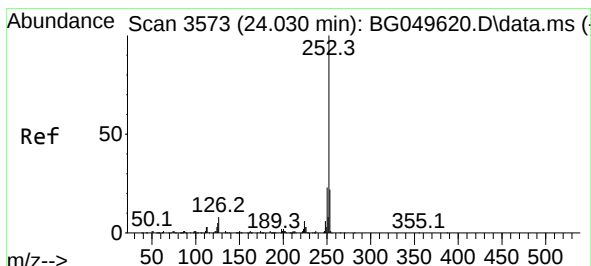
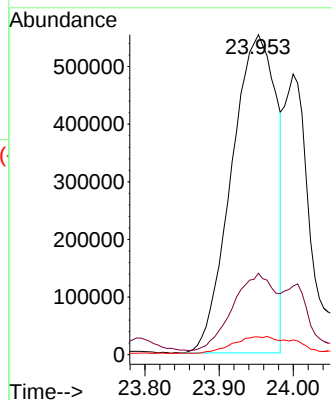
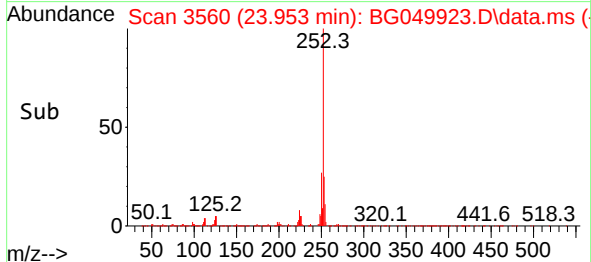
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002



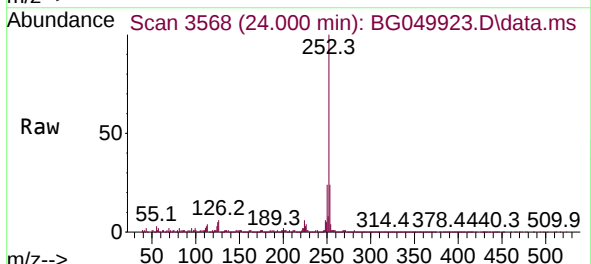
Tgt Ion:252 Resp: 2313977
Ion Ratio Lower Upper
252 100
253 25.5 16.2 24.4#
125 5.6 3.0 4.4#

Manual Integrations
APPROVED

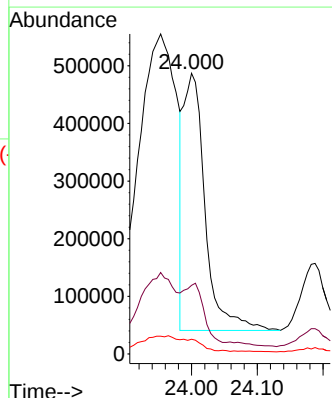
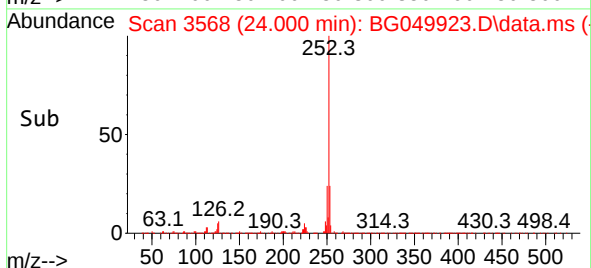
mohammad
8/23/2021 4:28:27 PM

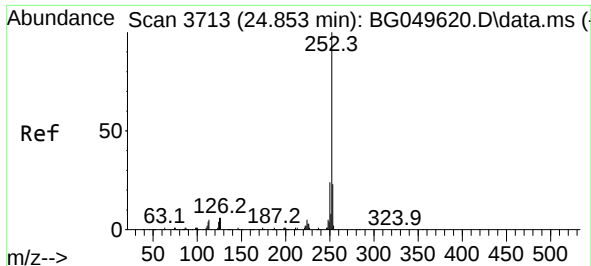


#89
Benzo(k)fluoranthene
Concen: 172.944 ng m
RT: 24.000 min Scan# 3568
Delta R.T. 0.074 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15



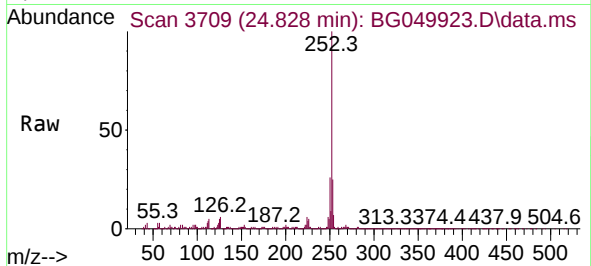
Tgt Ion:252 Resp: 1018211
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 5.2 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 270.543 ng
RT: 24.828 min Scan# 3709
Delta R.T. 0.091 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

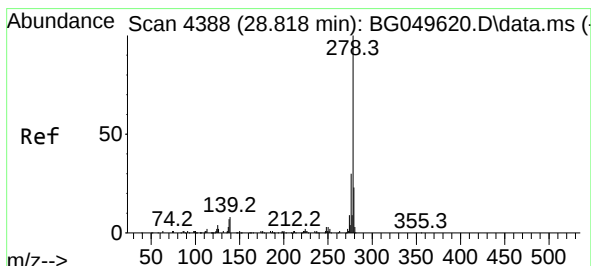
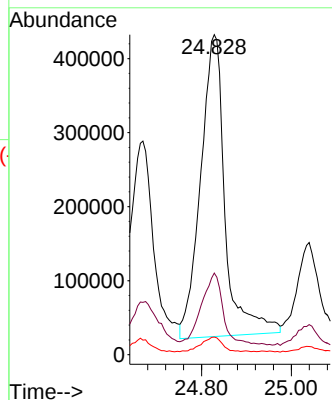
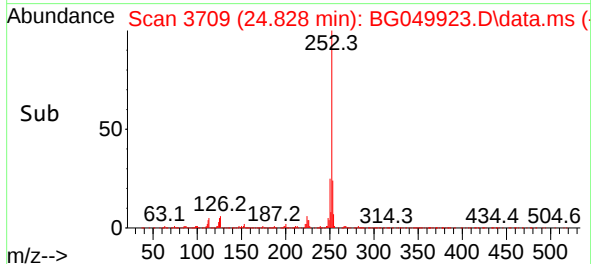
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002



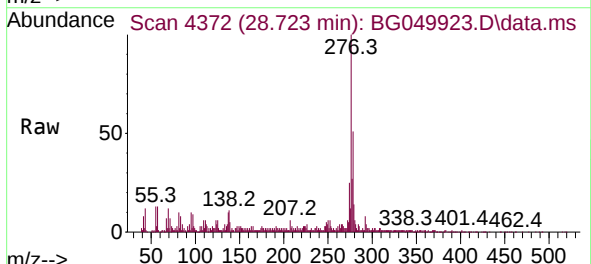
Tgt Ion:252 Resp: 1545384
Ion Ratio Lower Upper
252 100
253 25.5 16.6 25.0#
125 5.5 3.5 5.3#

Manual Integrations
APPROVED

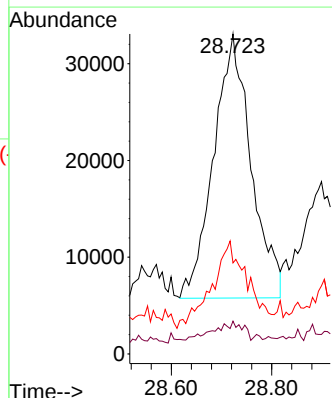
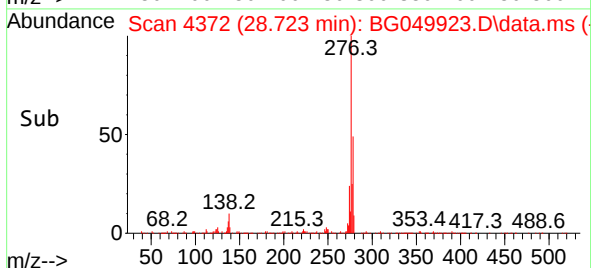
mohammad
8/23/2021 4:28:27 PM

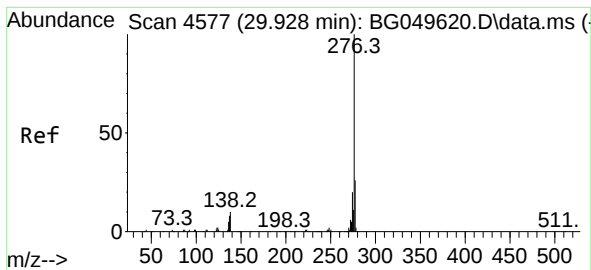


#91
Dibenzo(a,h)anthracene
Concen: 24.183 ng
RT: 28.723 min Scan# 4372
Delta R.T. 0.085 min
Lab File: BG049923.D
Acq: 21 Aug 2021 00:15

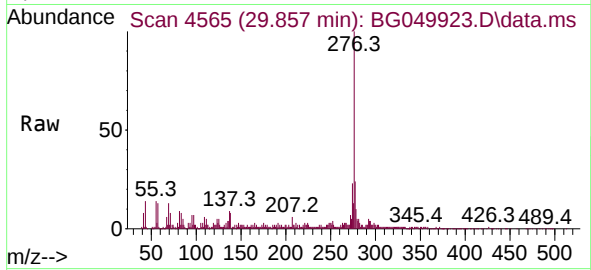


Tgt Ion:278 Resp: 141435
Ion Ratio Lower Upper
278 100
139 10.2 4.6 6.8#
279 28.4 17.9 26.9#

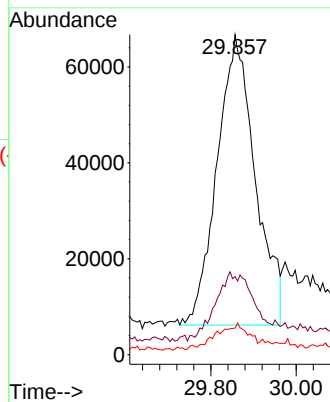
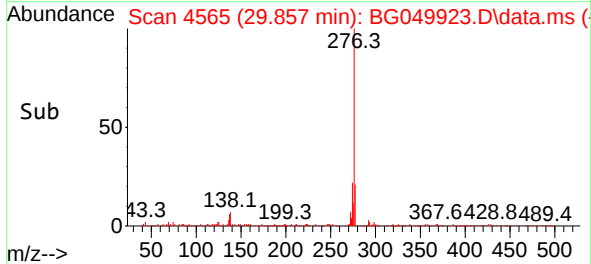




#92
 Benzo(g,h,i)perylene
 Concen: 65.686 ng
 RT: 29.857 min Scan# 4565
 Delta R.T. 0.121 min
 Lab File: BG049923.D
 Acq: 21 Aug 2021 00:15



Tgt Ion: 276 Resp: 376374
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.4 27.6
 138 8.3 7.0 10.6



Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002

Manual Integrations
 APPROVED

mohammad
 8/23/2021 4:28:27 PM