

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
 Data File : BG049925.D
 Acq On : 21 Aug 2021 1:37
 Operator : CG/JU
 Sample : M3394-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-02-0002

Manual Integrations
 APPROVED

mohammad
 8/23/2021 4:28:42 PM

Quant Time: Aug 21 05:22:40 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	7.990	152	60057	20.000	ng	0.01
21) Naphthalene-d8	10.810	136	247552	20.000	ng	# 0.01
39) Acenaphthene-d10	14.646	164	147622	20.000	ng	0.00
64) Phenanthrene-d10	17.407	188	254912	20.000	ng	# 0.02
76) Chrysene-d12	21.690	240	212416	20.000	ng	0.03
86) Perylene-d12	24.956	264	105947	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.547	112	171265	51.120	ng	0.02
7) Phenol-d6	7.162	99	234066	46.154	ng	0.02
23) Nitrobenzene-d5	9.165	82	173925	31.090	ng	0.01
42) 2,4,6-Tribromophenol	16.144	330	99523	45.866	ng	0.01
45) 2-Fluorobiphenyl	13.266	172	359438	35.429	ng	0.01
79) Terphenyl-d14	20.015	244	392730	33.579	ng	0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.376	152	135004	10.143	ng	96
58) Fluorene	15.698	166	38883	3.678	ng	100
71) Phenanthrene	17.448	178	834273	62.207	ng	98
72) Anthracene	17.536	178	67009	5.088	ng	97
73) Carbazole	17.807	167	39330	3.153	ng	96
75) Fluoranthene	19.469	202	1451514	87.953	ng	96
78) Pyrene	19.833	202	1434185m	99.036	ng	
81) Benzo(a)anthracene	21.672	228	474633	34.311	ng	93
83) Chrysene	21.737	228	753239	56.963	ng	94
87) Indeno(1,2,3-cd)pyrene	28.680	276	94155	12.323	ng	# 79
88) Benzo(b)fluoranthene	23.928	252	454119m	65.354	ng	
89) Benzo(k)fluoranthene	23.963	252	234938m	36.248	ng	
90) Benzo(a)pyrene	24.803	252	281922	44.832	ng	# 90
91) Dibenzo(a,h)anthracene	28.715	278	21818	3.389	ng	# 55
92) Benzo(g,h,i)perylene	29.855	276	69090	10.953	ng	93

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

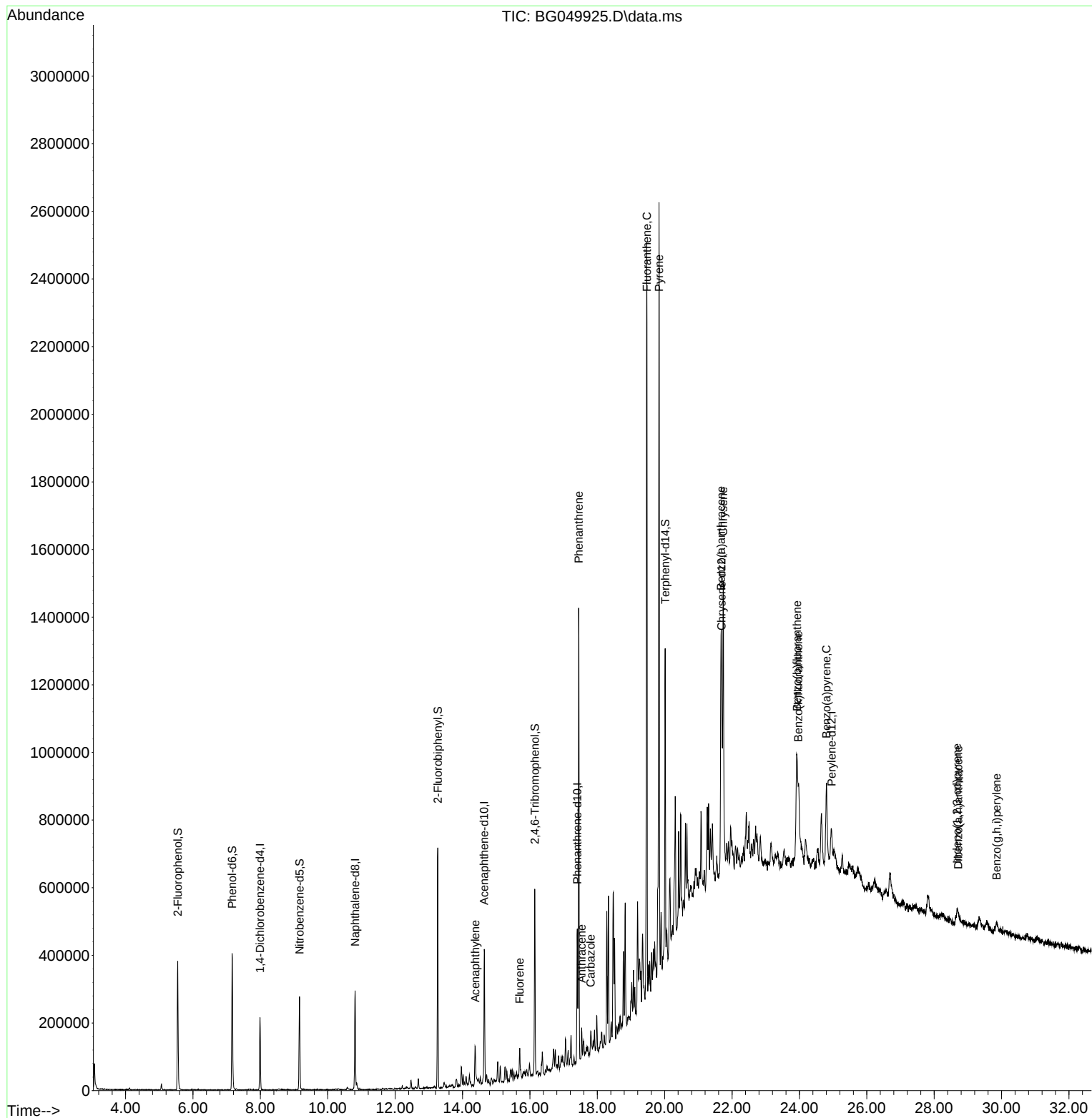
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
Data File : BG049925.D
Acq On : 21 Aug 2021 1:37
Operator : CG/JU
Sample : M3394-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

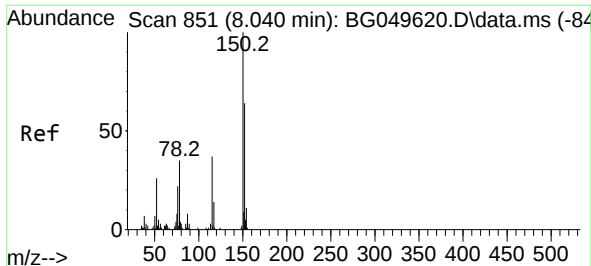
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

Manual Integrations
APPROVED

mohammad
8/23/2021 4:28:42 PM

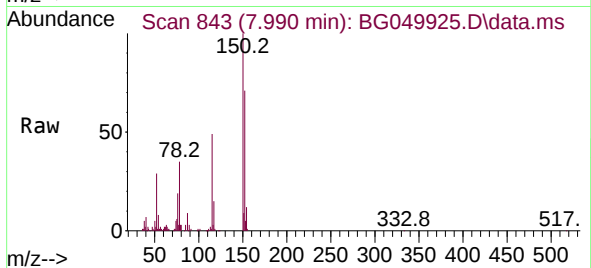
Quant Time: Aug 21 05:22:40 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 21 05:13:22 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.990 min Scan# 843
Delta R.T. 0.013 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

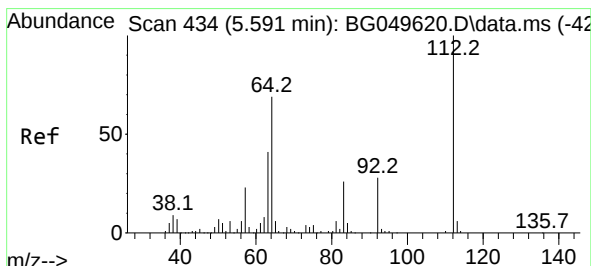
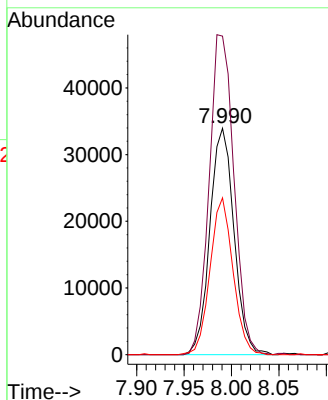
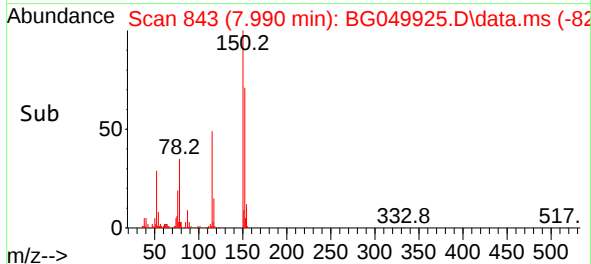
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



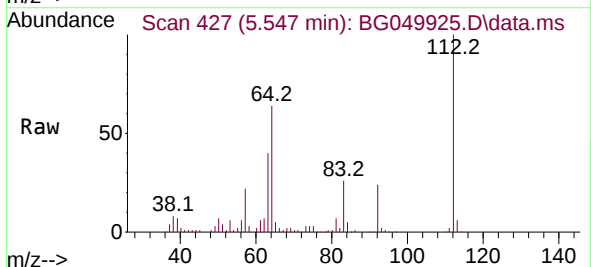
Tgt Ion:152 Resp: 60057
Ion Ratio Lower Upper
152 100
150 140.7 119.4 179.0
115 69.3 60.2 90.4

Manual Integrations
APPROVED

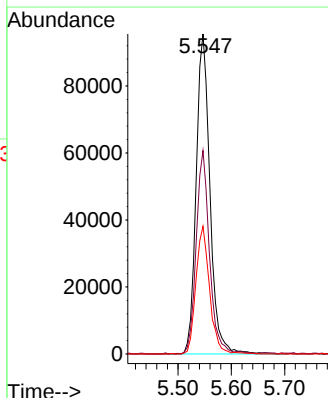
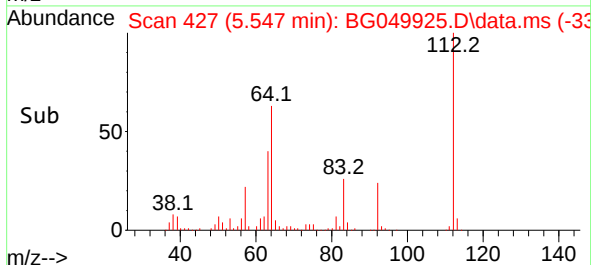
mohammad
8/23/2021 4:28:42 PM

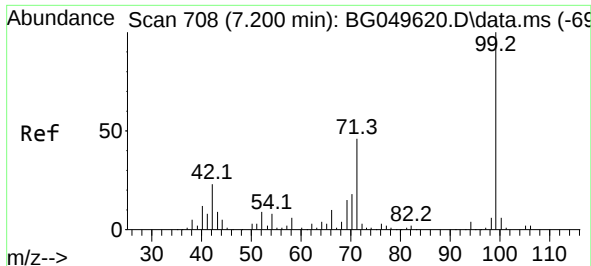


#5
2-Fluorophenol
Concen: 51.120 ng
RT: 5.547 min Scan# 427
Delta R.T. 0.019 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37



Tgt Ion:112 Resp: 171265
Ion Ratio Lower Upper
112 100
64 63.6 46.7 70.1
63 39.9 35.3 52.9





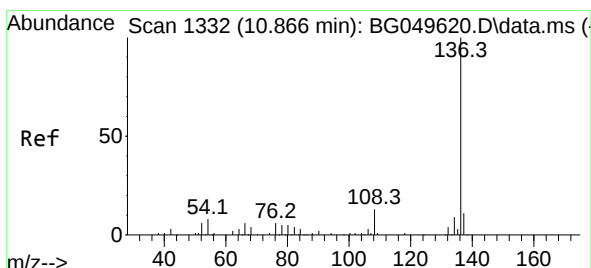
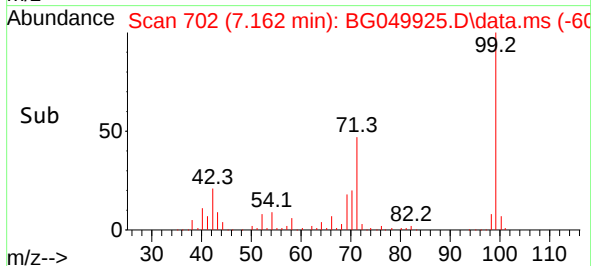
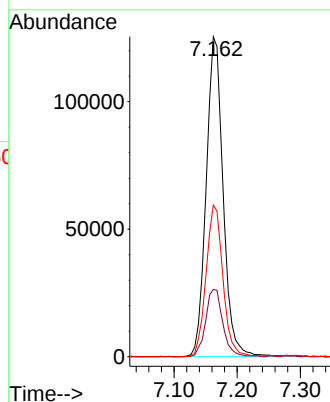
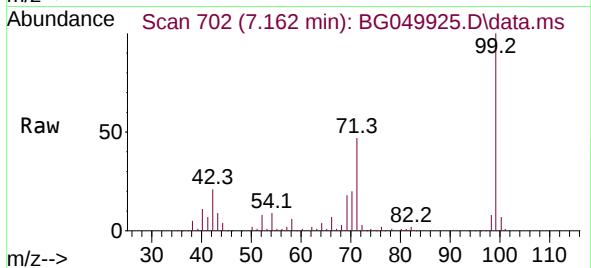
#7
Phenol-d6
Concen: 46.154 ng
RT: 7.162 min Scan# 702
Delta R.T. 0.019 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.0	20.5	30.7
71	47.4	41.5	62.3

Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

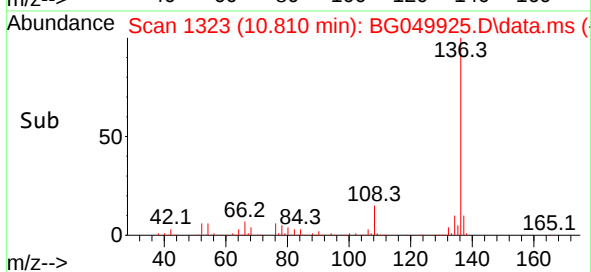
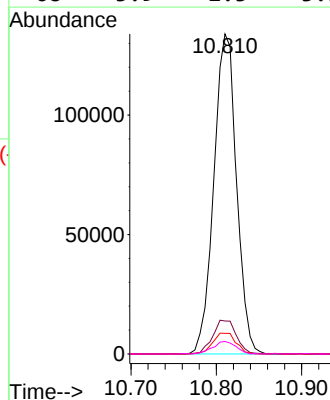
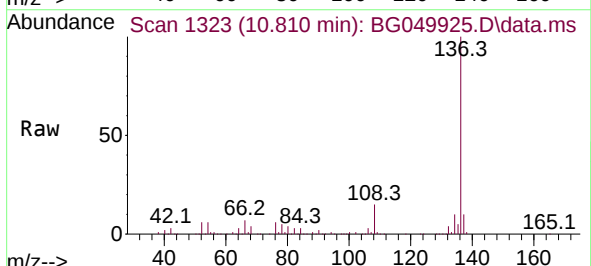
Manual Integrations
APPROVED

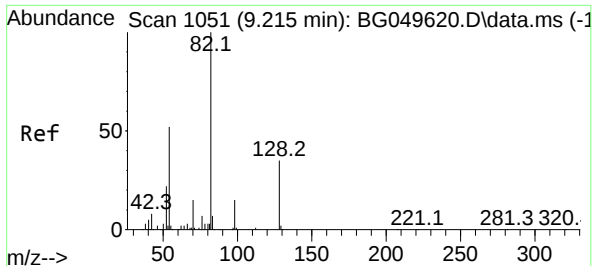
mohammad
8/23/2021 4:28:42 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1323
Delta R.T. 0.013 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

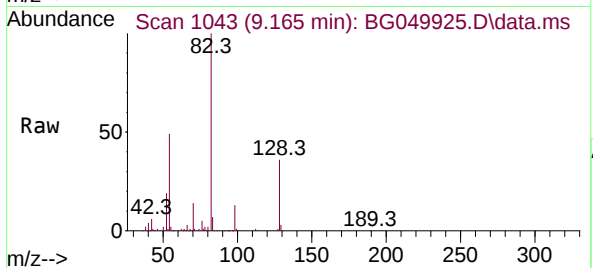
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.2
54	6.5	5.5	8.3
68	3.9	2.3	3.5





#23
Nitrobenzene-d5
Concen: 31.090 ng
RT: 9.165 min Scan# 1043
Delta R.T. 0.013 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

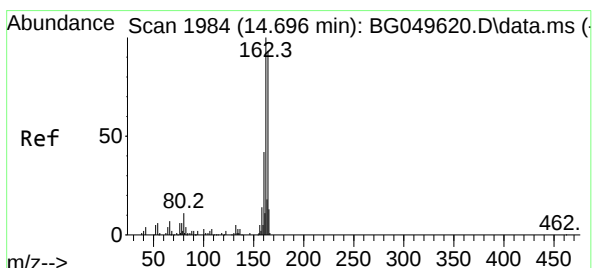
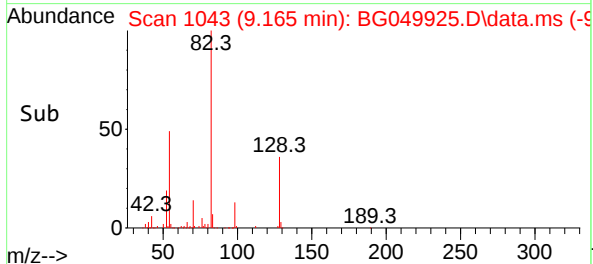
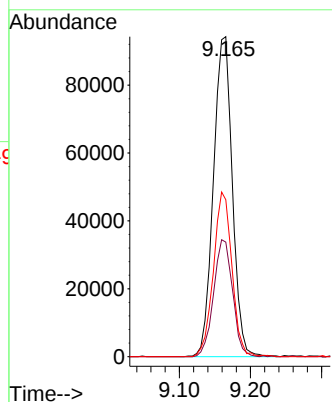
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



Tgt Ion: 82 Resp: 173925
Ion Ratio Lower Upper
82 100
128 35.8 29.8 44.6
54 49.1 45.8 68.8

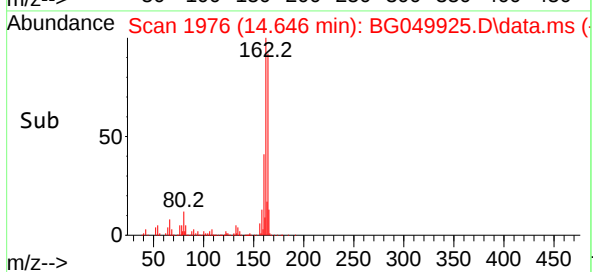
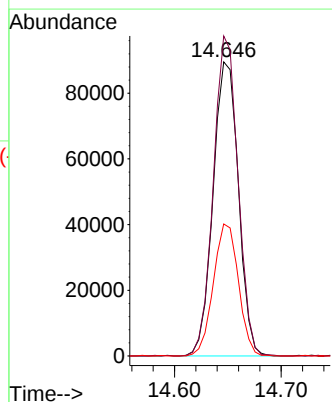
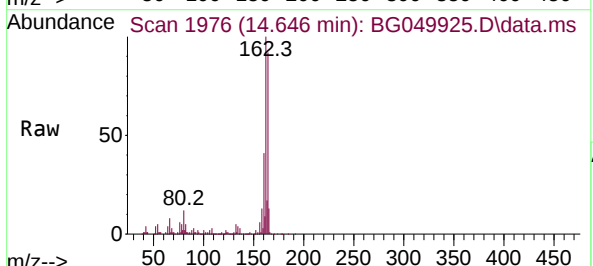
Manual Integrations
APPROVED

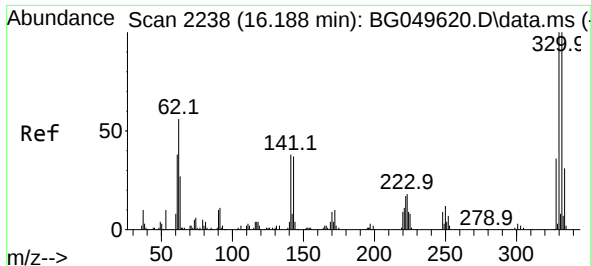
mohammad
8/23/2021 4:28:42 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.646 min Scan# 1976
Delta R.T. 0.007 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

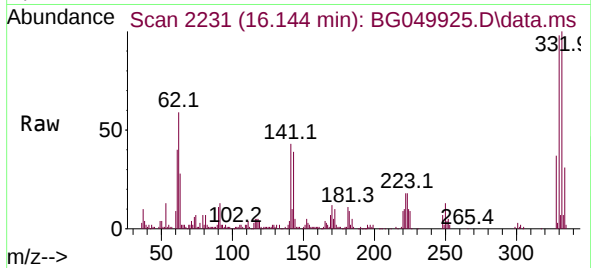
Tgt Ion: 164 Resp: 147622
Ion Ratio Lower Upper
164 100
162 108.8 81.4 122.0
160 44.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 45.866 ng
RT: 16.144 min Scan# 2231
Delta R.T. 0.013 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

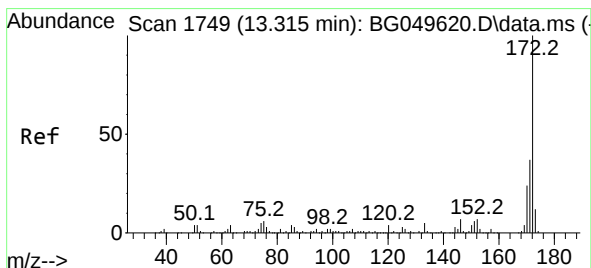
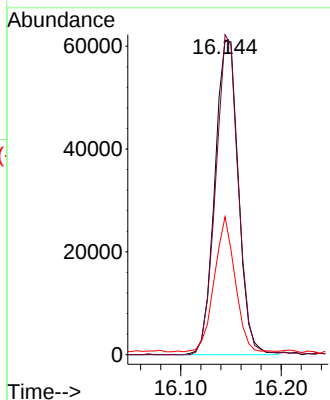
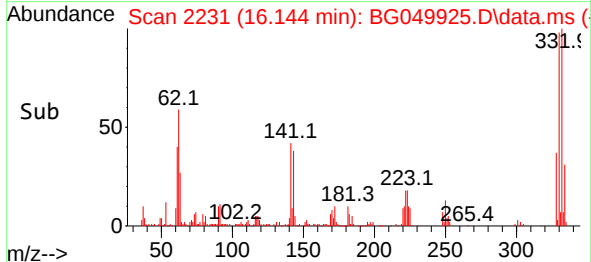
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



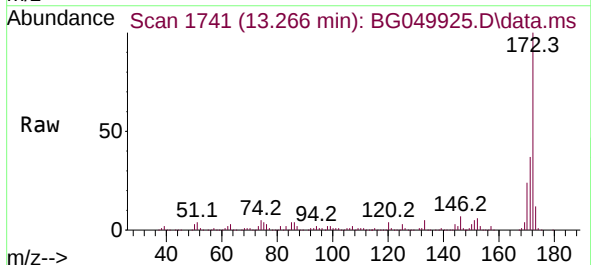
Tgt Ion:330 Resp: 99523
Ion Ratio Lower Upper
330 100
332 98.0 77.3 115.9
141 37.8 35.6 53.4

Manual Integrations
APPROVED

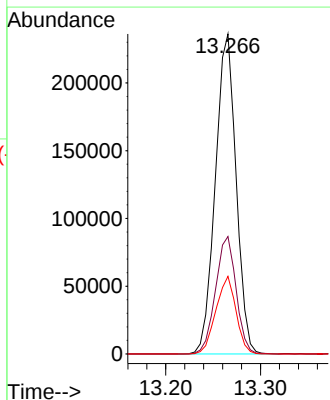
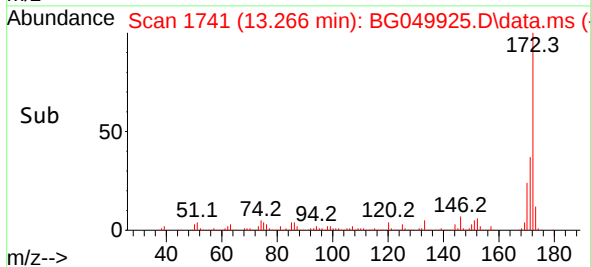
mohammad
8/23/2021 4:28:42 PM

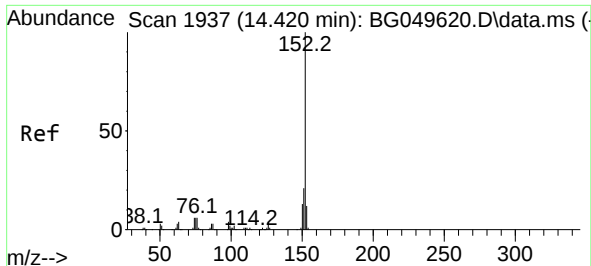


#45
2-Fluorobiphenyl
Concen: 35.429 ng
RT: 13.266 min Scan# 1741
Delta R.T. 0.013 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

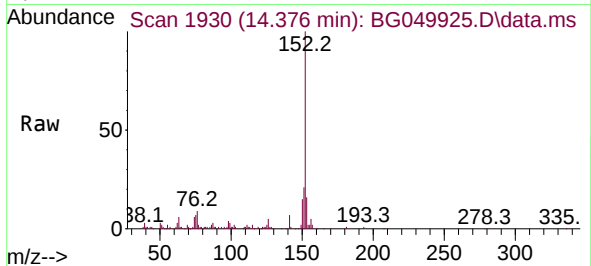


Tgt Ion:172 Resp: 359438
Ion Ratio Lower Upper
172 100
171 36.7 28.6 43.0
170 24.3 18.6 27.8

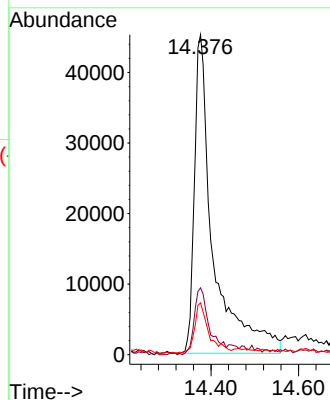
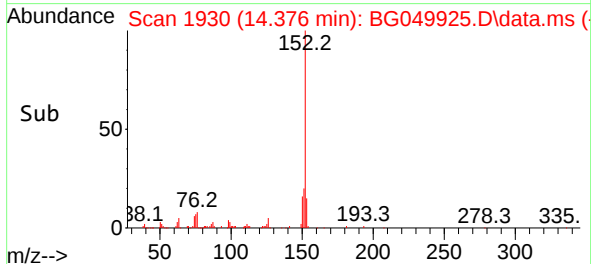




#49
Acenaphthylene
Concen: 10.143 ng
RT: 14.376 min Scan# 1930
Delta R.T. 0.019 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37



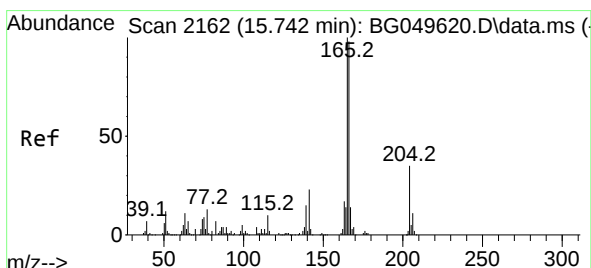
Tgt Ion:152 Resp: 135004
Ion Ratio Lower Upper
152 100
151 20.9 18.2 27.4
153 16.2 11.7 17.5



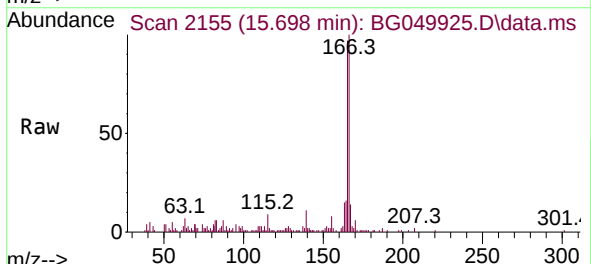
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

Manual Integrations
APPROVED

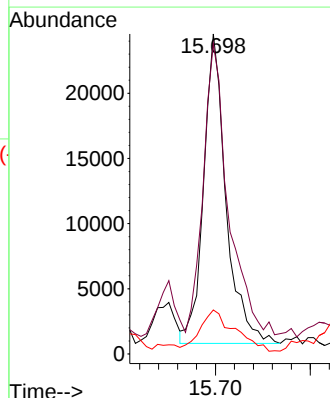
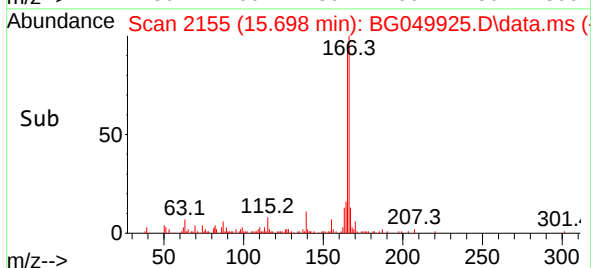
mohammad
8/23/2021 4:28:42 PM

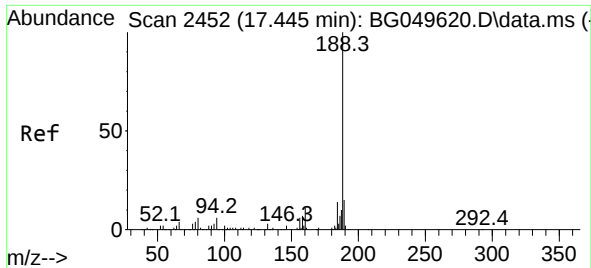


#58
Fluorene
Concen: 3.678 ng
RT: 15.698 min Scan# 2155
Delta R.T. 0.013 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37



Tgt Ion:166 Resp: 38883
Ion Ratio Lower Upper
166 100
165 97.0 77.7 116.5
167 13.8 10.8 16.2





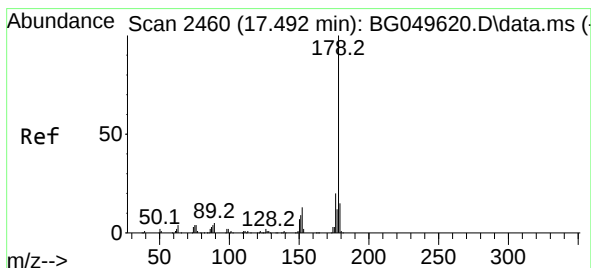
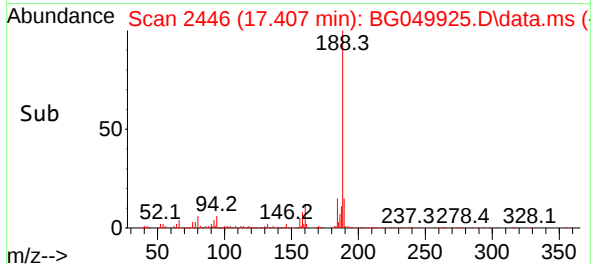
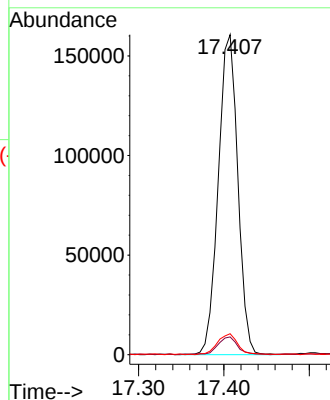
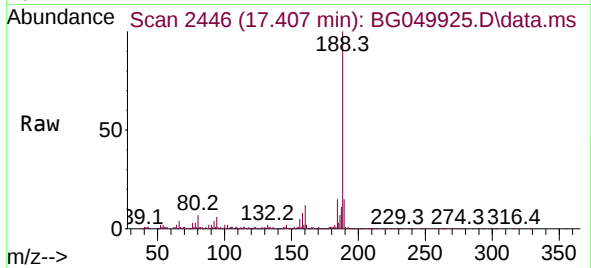
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.407 min Scan# 2446
Delta R.T. 0.019 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

Tgt Ion:188 Resp: 254912
Ion Ratio Lower Upper
188 100
94 5.6 5.4 8.0
80 6.5 3.7 5.5#

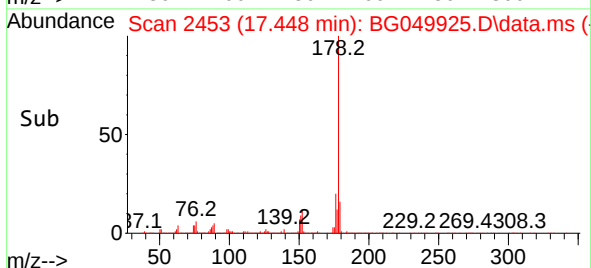
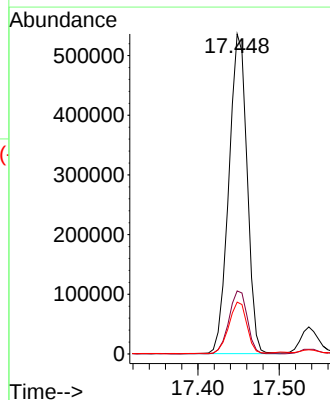
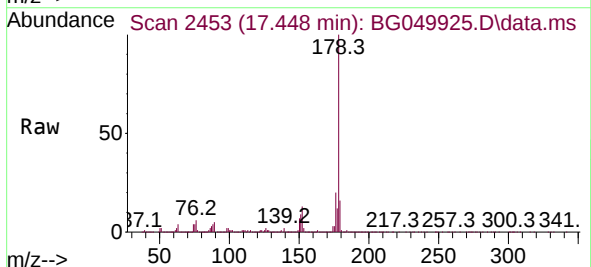
Manual Integrations
APPROVED

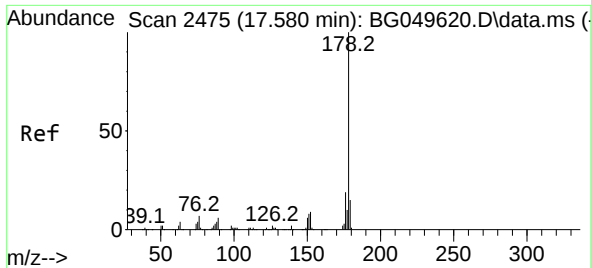
mohammad
8/23/2021 4:28:42 PM



#71
Phenanthrene
Concen: 62.207 ng
RT: 17.448 min Scan# 2453
Delta R.T. 0.019 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

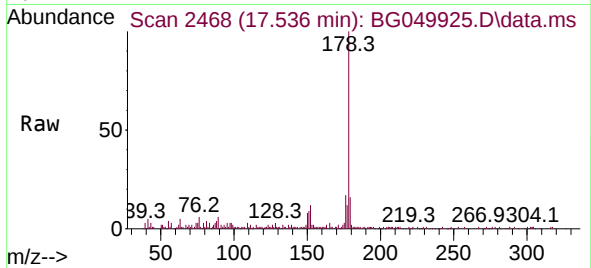
Tgt Ion:178 Resp: 834273
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.2 14.2 21.4





#72
 Anthracene
 Concen: 5.088 ng
 RT: 17.536 min Scan# 2468
 Delta R.T. 0.013 min
 Lab File: BG049925.D
 Acq: 21 Aug 2021 1:37

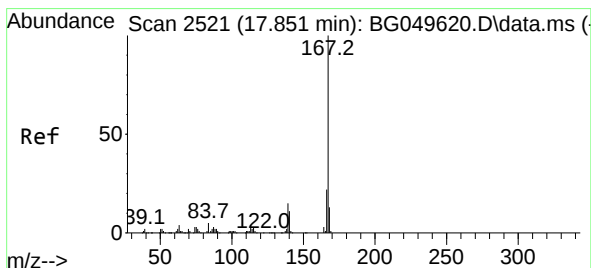
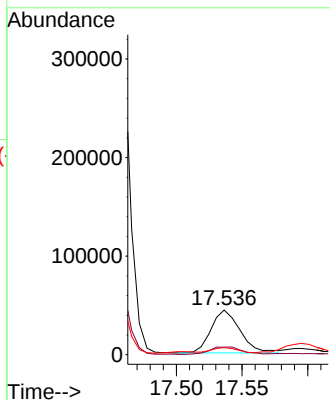
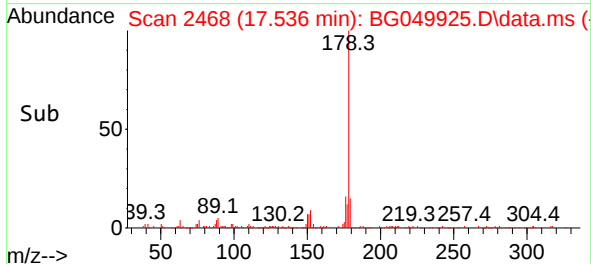
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-02-0002



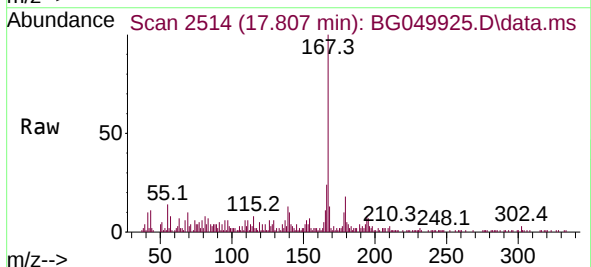
Tgt Ion:178 Resp: 67009
 Ion Ratio Lower Upper
 178 100
 176 17.0 14.6 21.8
 179 15.7 13.4 20.0

Manual Integrations
 APPROVED

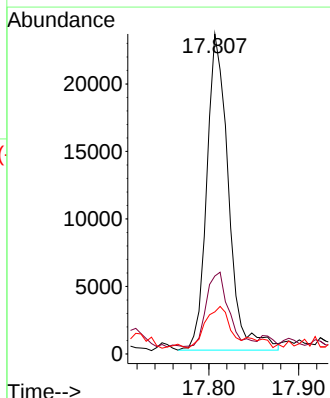
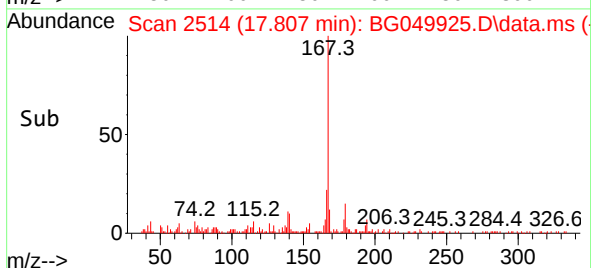
mohammad
 8/23/2021 4:28:42 PM

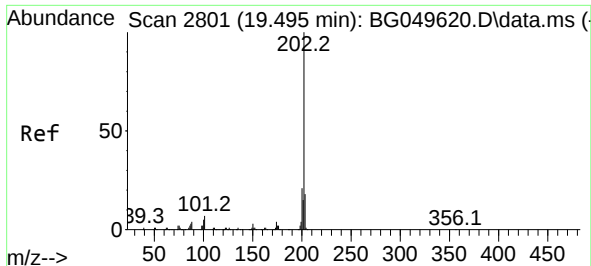


#73
 Carbazole
 Concen: 3.153 ng
 RT: 17.807 min Scan# 2514
 Delta R.T. 0.013 min
 Lab File: BG049925.D
 Acq: 21 Aug 2021 1:37



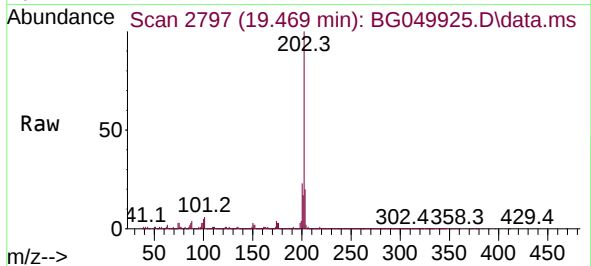
Tgt Ion:167 Resp: 39330
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.4 26.2
 139 13.1 10.7 16.1





#75
Fluoranthene
Concen: 87.953 ng
RT: 19.469 min Scan# 2797
Delta R.T. 0.025 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

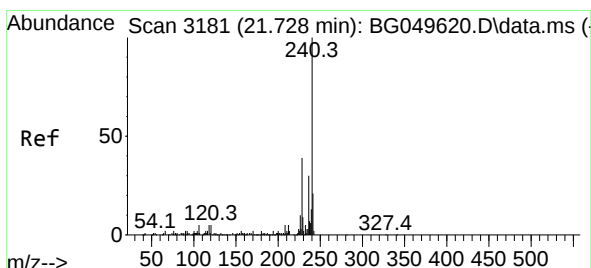
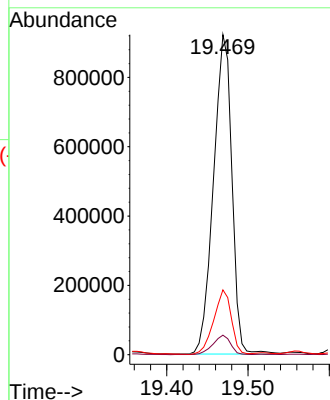
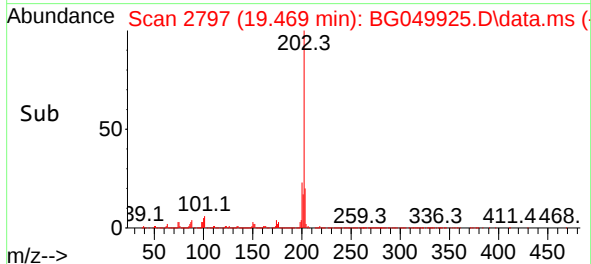
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



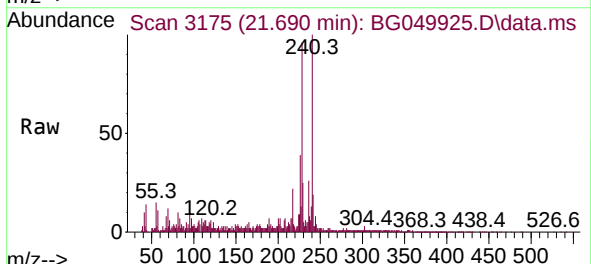
Tgt Ion:202 Resp: 1451514
Ion Ratio Lower Upper
202 100
101 6.1 0.0 24.7
203 20.3 0.0 38.5

Manual Integrations
APPROVED

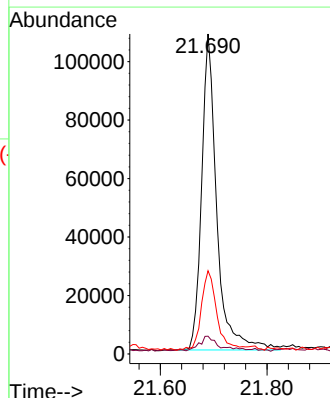
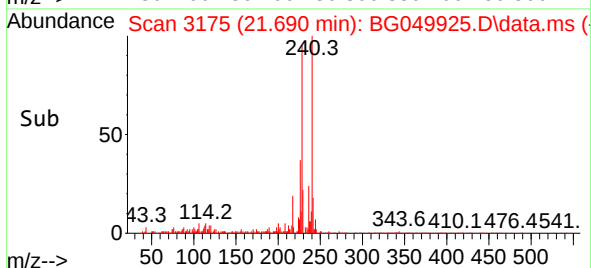
mohammad
8/23/2021 4:28:42 PM

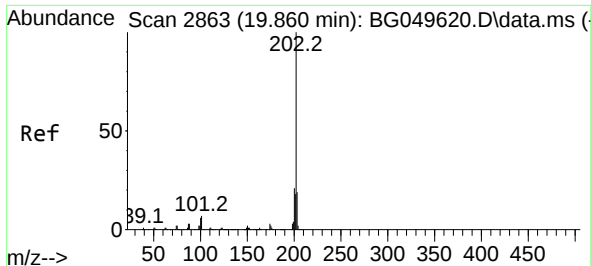


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.690 min Scan# 3175
Delta R.T. 0.031 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37



Tgt Ion:240 Resp: 212416
Ion Ratio Lower Upper
240 100
120 5.5 4.2 6.2
236 26.0 21.8 32.6





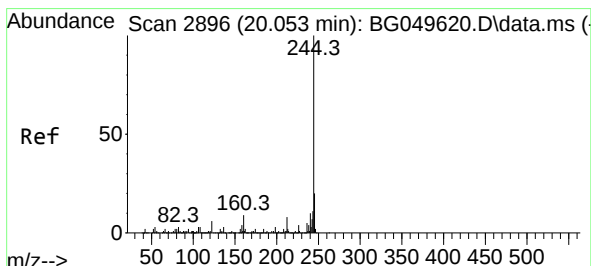
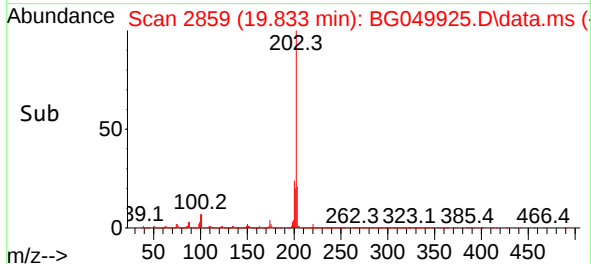
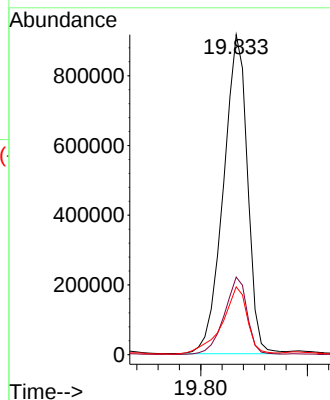
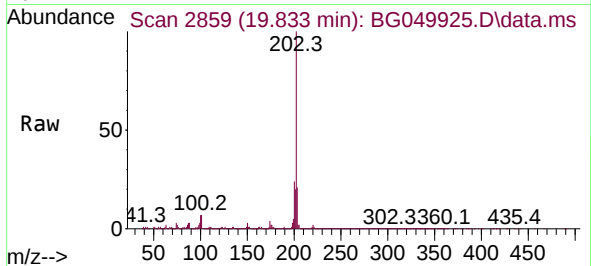
#78
Pyrene
Concen: 99.036 ng m
RT: 19.833 min Scan# 2859
Delta R.T. 0.031 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

Tgt Ion:202 Resp: 1434185
Ion Ratio Lower Upper
202 100
200 24.2 15.8 23.8#
203 21.2 14.6 21.8

Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002

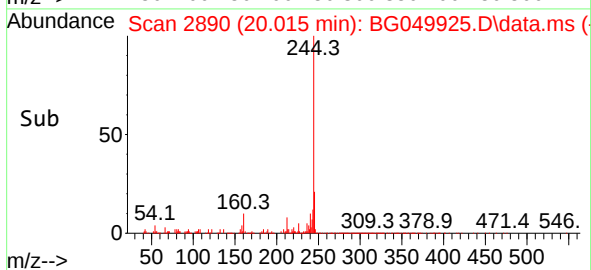
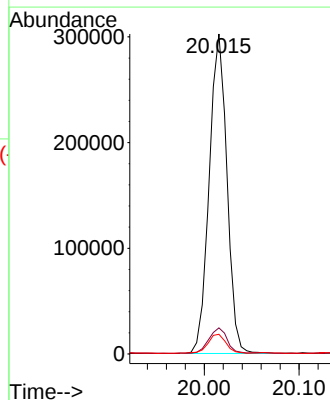
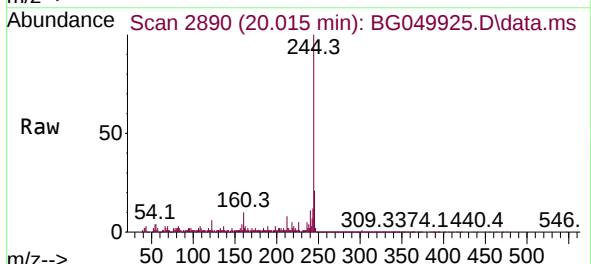
Manual Integrations
APPROVED

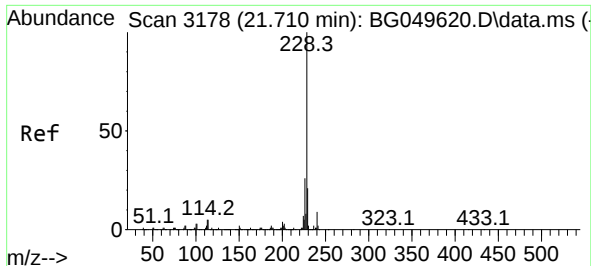
mohammad
8/23/2021 4:28:42 PM



#79
Terphenyl-d14
Concen: 33.579 ng
RT: 20.015 min Scan# 2890
Delta R.T. 0.019 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

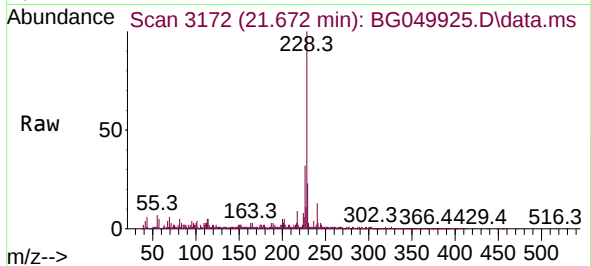
Tgt Ion:244 Resp: 392730
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 6.2 5.0 7.6





#81
Benzo(a)anthracene
Concen: 34.311 ng
RT: 21.672 min Scan# 3172
Delta R.T. 0.031 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

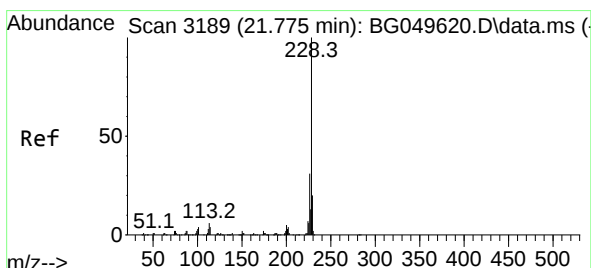
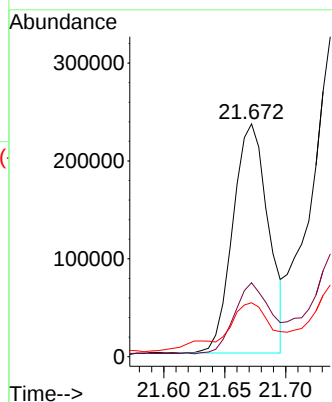
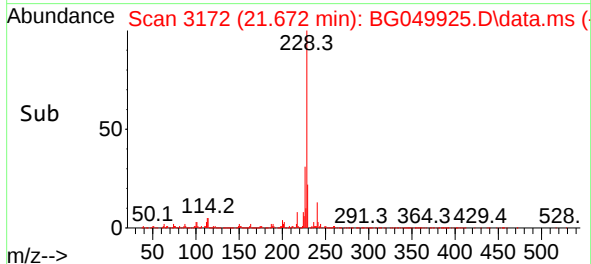
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



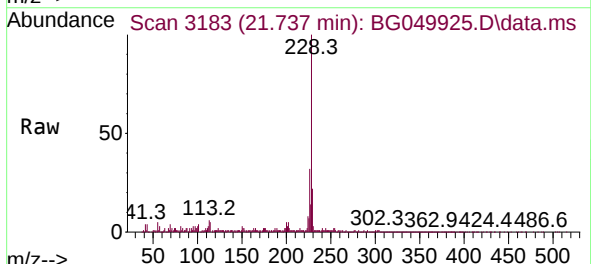
Tgt Ion:228 Resp: 474633
Ion Ratio Lower Upper
228 100
226 31.7 22.7 34.1
229 23.1 16.0 24.0

Manual Integrations
APPROVED

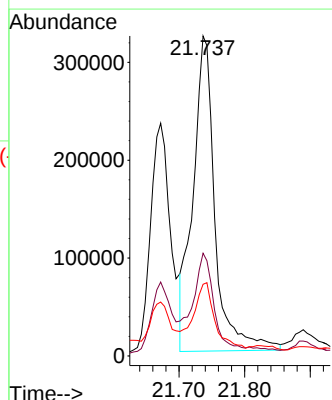
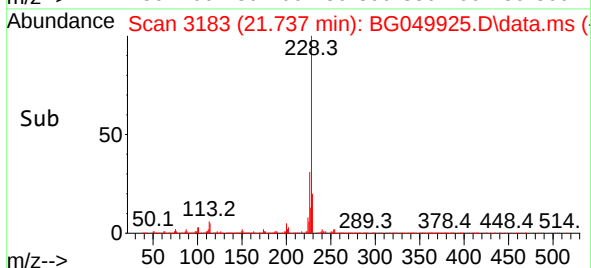
mohammad
8/23/2021 4:28:42 PM

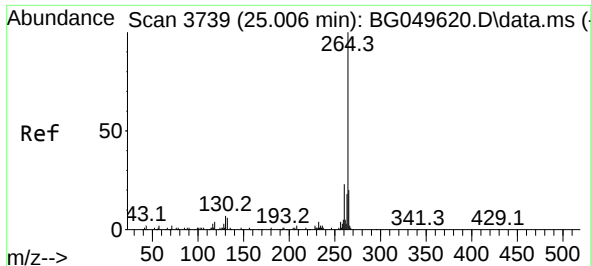


#83
Chrysene
Concen: 56.963 ng
RT: 21.737 min Scan# 3183
Delta R.T. 0.031 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37



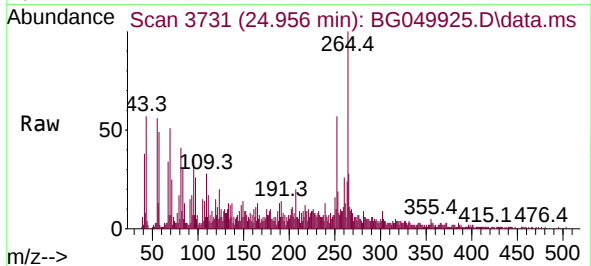
Tgt Ion:228 Resp: 753239
Ion Ratio Lower Upper
228 100
226 32.1 23.1 34.7
229 22.4 15.3 22.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.956 min Scan# 3731
 Delta R.T. 0.072 min
 Lab File: BG049925.D
 Acq: 21 Aug 2021 1:37

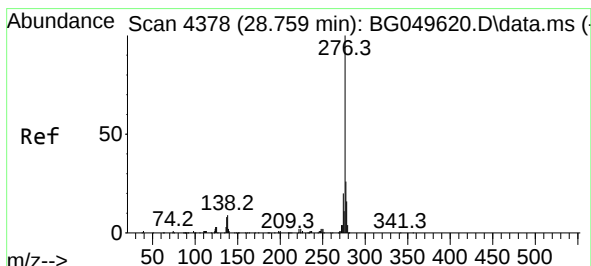
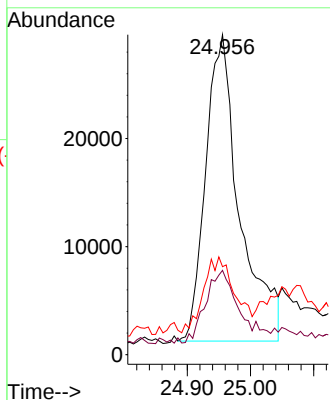
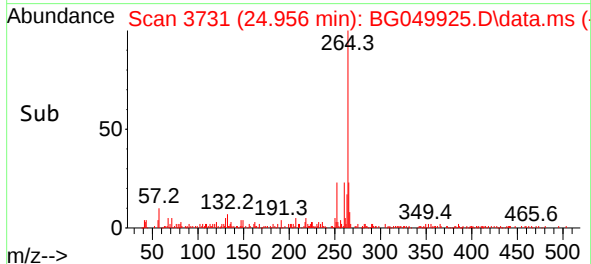
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-02-0002



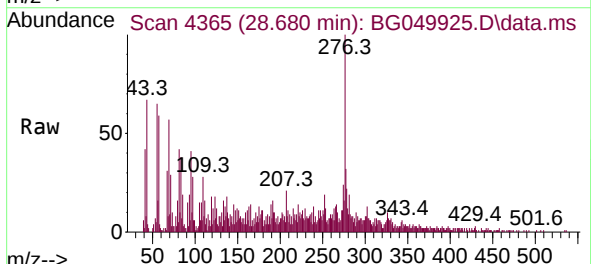
Tgt Ion:264 Resp: 105947
 Ion Ratio Lower Upper
 264 100
 260 26.4 19.4 29.2
 265 27.5 16.9 25.3#

Manual Integrations
 APPROVED

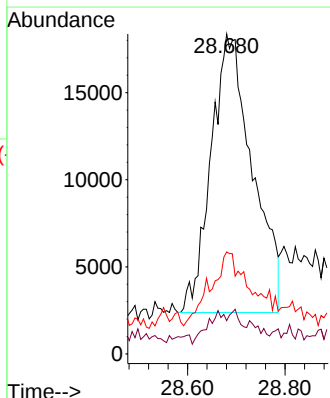
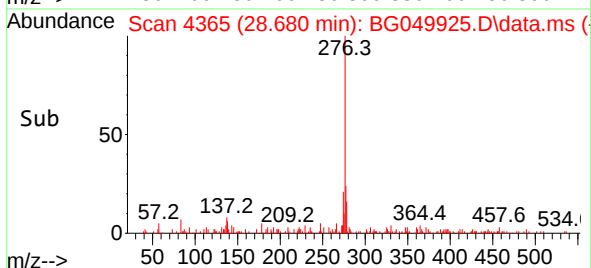
mohammad
 8/23/2021 4:28:42 PM

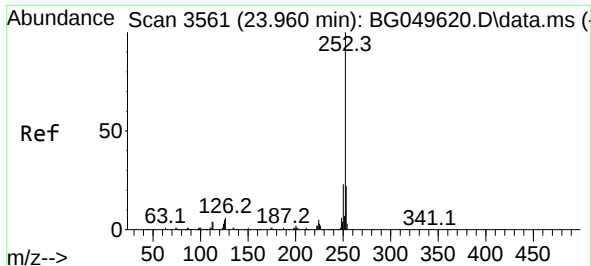


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.323 ng
 RT: 28.680 min Scan# 4365
 Delta R.T. 0.101 min
 Lab File: BG049925.D
 Acq: 21 Aug 2021 1:37



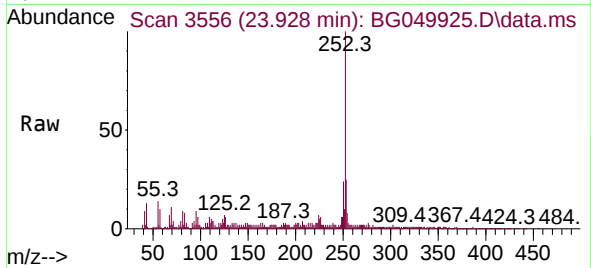
Tgt Ion:276 Resp: 94155
 Ion Ratio Lower Upper
 276 100
 138 1.6 5.1 7.7#
 277 13.5 19.8 29.6#





#88
Benzo(b)fluoranthene
Concen: 65.354 ng m
RT: 23.928 min Scan# 3556
Delta R.T. 0.066 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

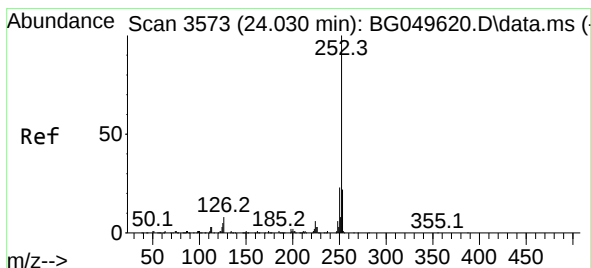
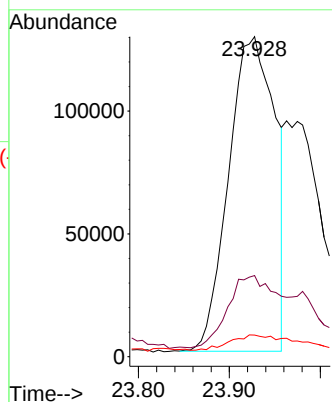
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



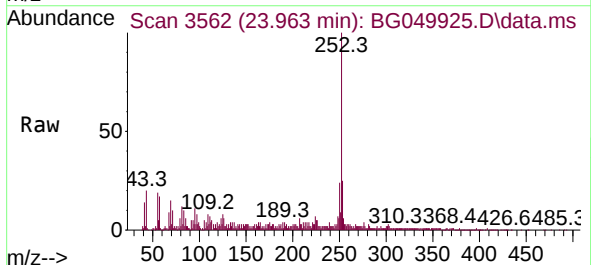
Tgt Ion:252 Resp: 454119
Ion Ratio Lower Upper
252 100
253 25.4 16.2 24.4#
125 6.8 3.0 4.4#

Manual Integrations
APPROVED

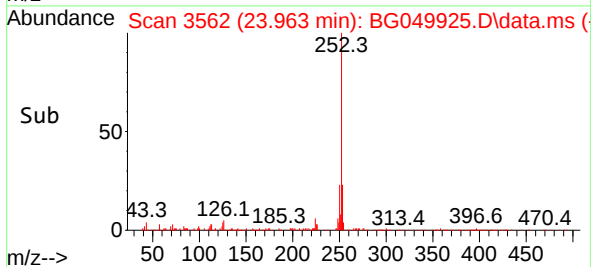
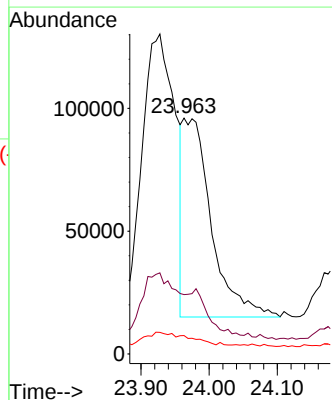
mohammad
8/23/2021 4:28:42 PM

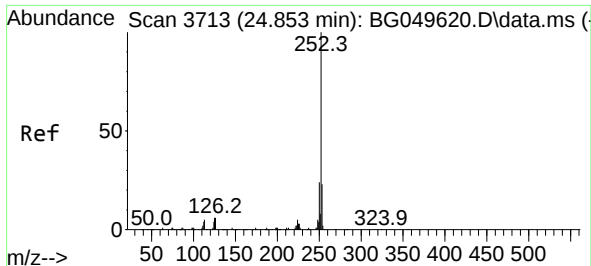


#89
Benzo(k)fluoranthene
Concen: 36.248 ng m
RT: 23.963 min Scan# 3562
Delta R.T. 0.037 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37



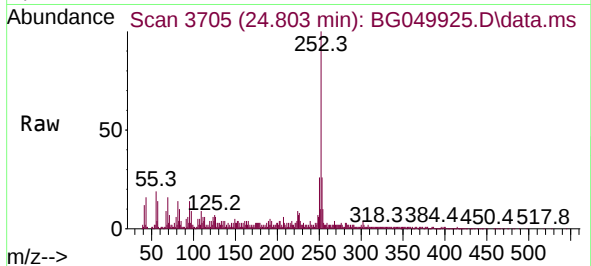
Tgt Ion:252 Resp: 234938
Ion Ratio Lower Upper
252 100
253 25.2 18.0 27.0
125 7.8 3.1 4.7#





#90
Benzo(a)pyrene
Concen: 44.832 ng
RT: 24.803 min Scan# 3705
Delta R.T. 0.066 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37

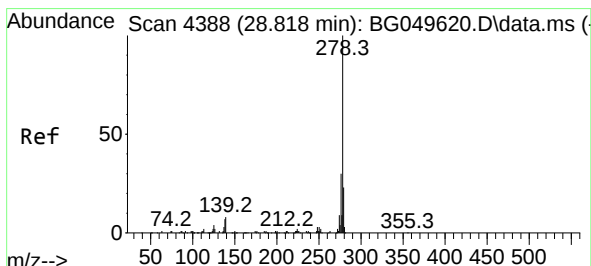
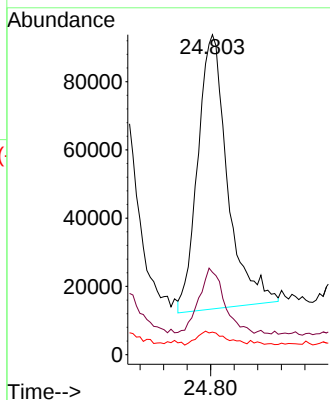
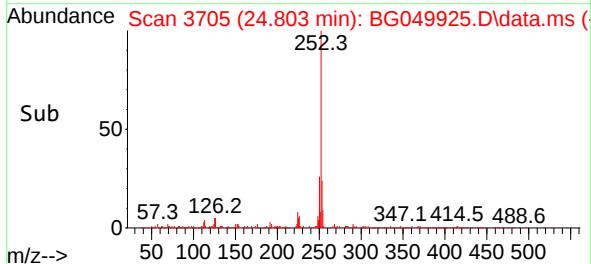
Instrument :
BNA_G
ClientSampleId :
SWCS-02-0002



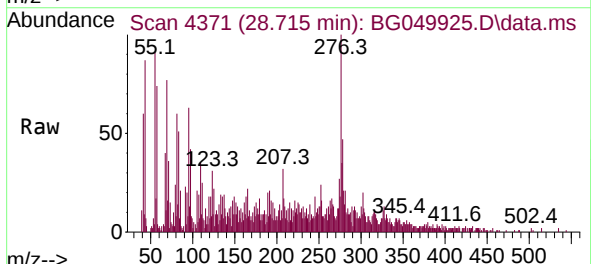
Tgt Ion:252 Resp: 281922
Ion Ratio Lower Upper
252 100
253 25.7 16.6 25.0#
125 7.1 3.5 5.3#

Manual Integrations
APPROVED

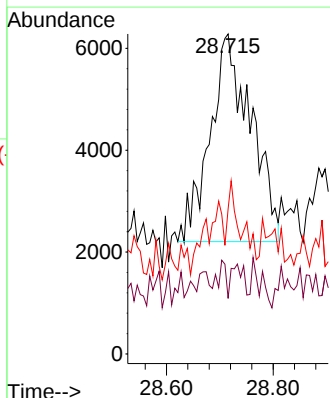
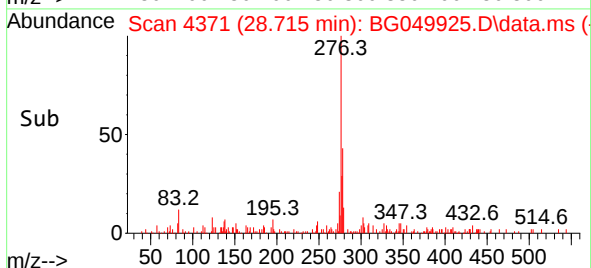
mohammad
8/23/2021 4:28:42 PM

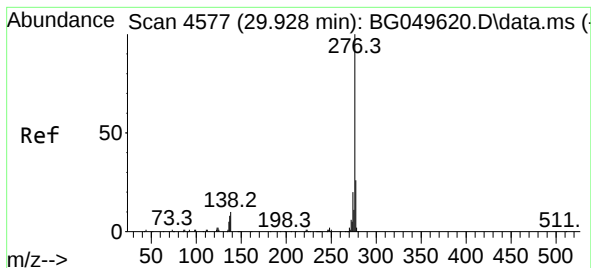


#91
Dibenzo(a,h)anthracene
Concen: 3.389 ng
RT: 28.715 min Scan# 4371
Delta R.T. 0.078 min
Lab File: BG049925.D
Acq: 21 Aug 2021 1:37



Tgt Ion:278 Resp: 21818
Ion Ratio Lower Upper
278 100
139 17.3 4.6 6.8#
279 45.3 17.9 26.9#





#92

Benzo(g,h,i)perylene

Concen: 10.953 ng

RT: 29.855 min Scan# 4565

Delta R.T. 0.119 min

Lab File: BG049925.D

Acq: 21 Aug 2021 1:37

Tgt Ion:	276	Resp:	69090
Ion Ratio	Lower	Upper	
276	100		
277	26.9	18.4	27.6
138	9.7	7.0	10.6

Instrument :

BNA_G

ClientSampleId :

SWCS-02-0002

Manual Integrations
APPROVED

mohammad
8/23/2021 4:28:42 PM

