

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102021\
 Data File : BG050657.D
 Acq On : 20 Oct 2021 22:58
 Operator : CG/JU
 Sample : M4269-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-4197

Manual Integrations
 APPROVED

mohammad
 10/21/2021 11:18:27 AM

Quant Time: Oct 21 03:19:02 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.249	152	52504	20.00	ng	0.00
21) Naphthalene-d8	11.075	136	219545	20.00	ng	# 0.00
39) Acenaphthene-d10	14.871	164	127542	20.00	ng	0.00
64) Phenanthrene-d10	17.615	188	231634	20.00	ng	# 0.00
76) Chrysene-d12	21.916	240	218000	20.00	ng	# 0.00
86) Perylene-d12	25.335	264	224013	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	317578	90.46	ng	0.00
7) Phenol-d6	7.392	99	437232	86.02	ng	0.00
23) Nitrobenzene-d5	9.424	82	313568	59.12	ng	0.00
42) 2,4,6-Tribromophenol	16.358	330	105259	86.52	ng	0.00
45) 2-Fluorobiphenyl	13.496	172	557322	65.77	ng	0.00
79) Terphenyl-d14	20.206	244	697069	62.31	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.936	154	26149	3.48	ng	89
58) Fluorene	15.911	166	24062	2.69	ng	# 84
71) Phenanthrene	17.662	178	496817	40.70	ng	99
72) Anthracene	17.750	178	59157m	4.88	ng	
73) Carbazole	18.014	167	52736	4.36	ng	# 80
75) Fluoranthene	19.665	202	871477	58.08	ng	95
78) Pyrene	20.024	202	688704	44.53	ng	96
81) Benzo(a)anthracene	21.898	228	308990	21.42	ng	99
83) Chrysene	21.969	228	338695	24.96	ng	95
87) Indeno(1,2,3-cd)pyrene	29.248	276	208607m	13.37	ng	
88) Benzo(b)fluoranthene	24.242	252	453874	33.08	ng	# 89
89) Benzo(k)fluoranthene	24.307	252	157677m	11.68	ng	
90) Benzo(a)pyrene	25.171	252	281730	24.15	ng	# 93
91) Dibenzo(a,h)anthracene	29.307	278	51135	3.96	ng	# 79
92) Benzo(g,h,i)perylene	30.482	276	196219	15.52	ng	# 91

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

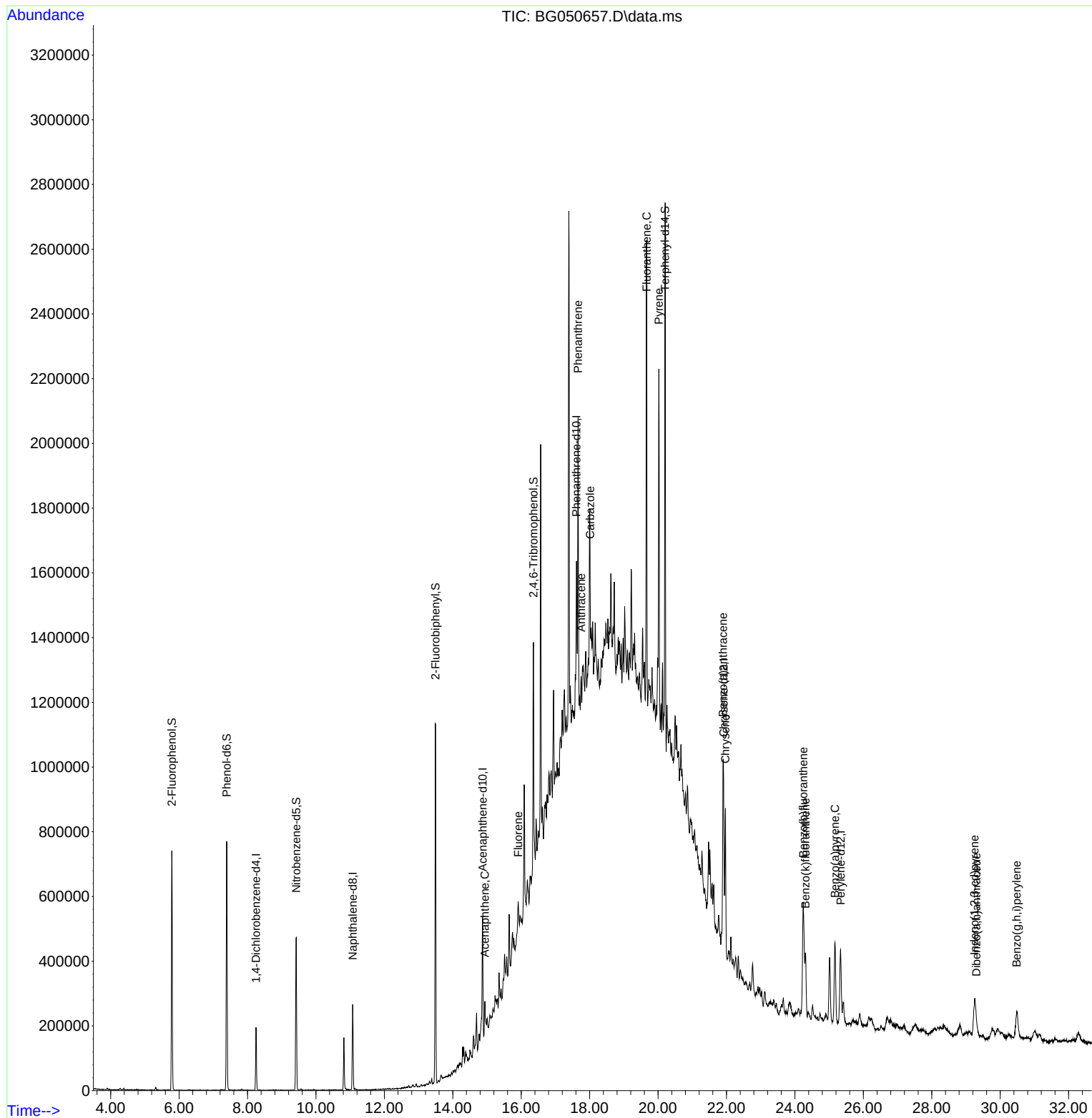
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102021\
Data File : BG050657.D
Acq On : 20 Oct 2021 22:58
Operator : CG/JU
Sample : M4269-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

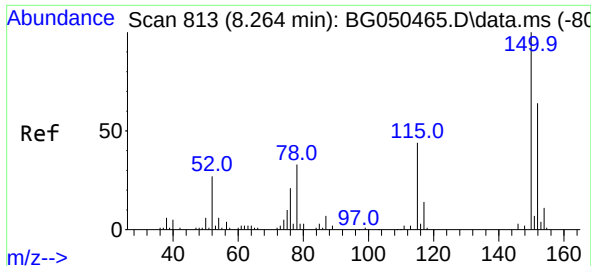
Instrument :
BNA_G
ClientSampleId :
RT-4197

Manual Integrations
APPROVED

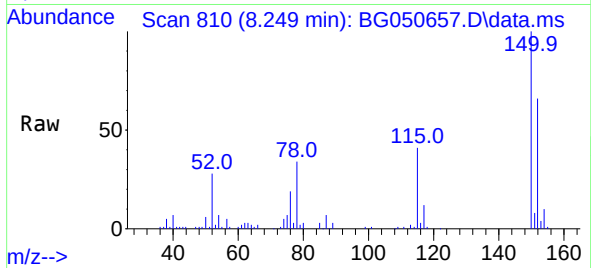
mohammad
10/21/2021 11:18:27 AM

Quant Time: Oct 21 03:19:02 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 14 10:56:22 2021
Response via : Initial Calibration

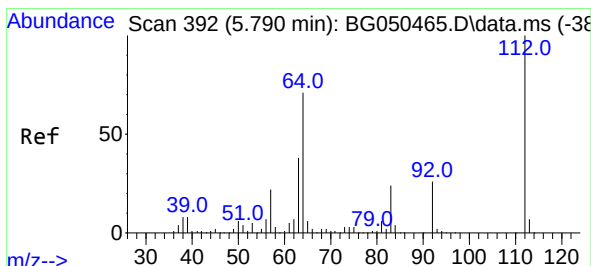
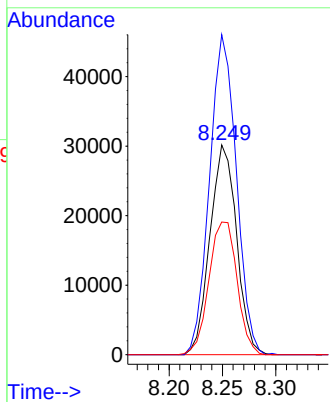
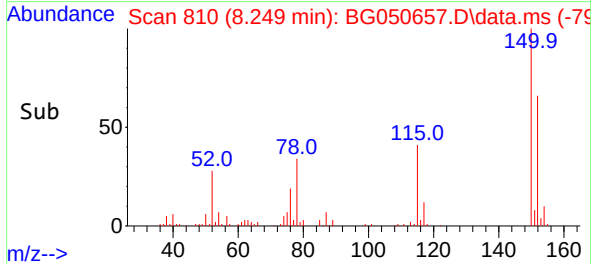




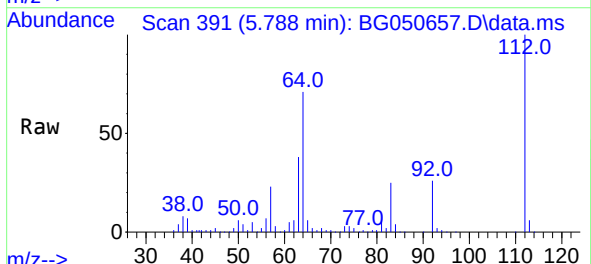
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.249 min Scan# 810
Delta R.T. -0.009 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



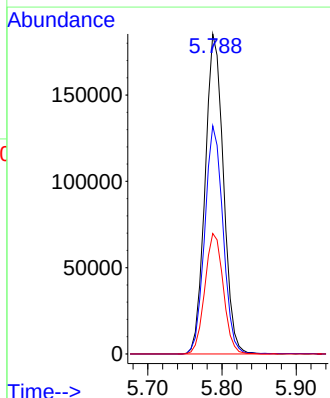
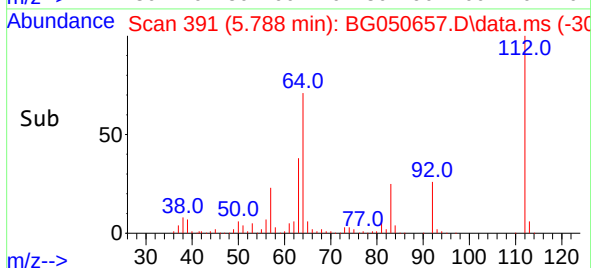
Tgt Ion:152 Resp: 52504
Ion Ratio Lower Upper
152 100
150 152.5 119.4 179.0
115 63.2 60.2 90.4



#5
2-Fluorophenol
Concen: 90.46 ng
RT: 5.788 min Scan# 391
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



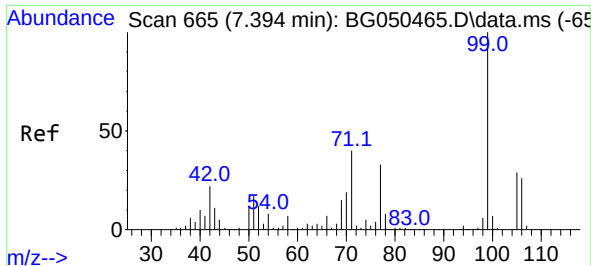
Tgt Ion:112 Resp: 317578
Ion Ratio Lower Upper
112 100
64 71.3 46.7 70.1#
63 37.6 35.3 52.9



Instrument :
BNA_G
ClientSampled :
RT-4197

Manual Integrations
APPROVED

mohammad
10/21/2021 11:18:27 AM



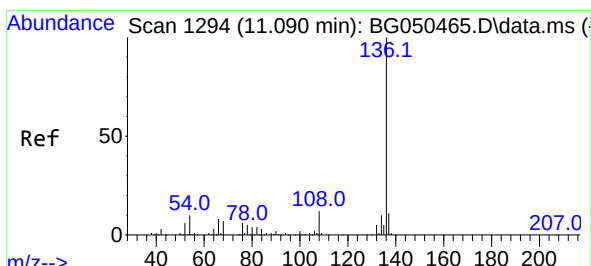
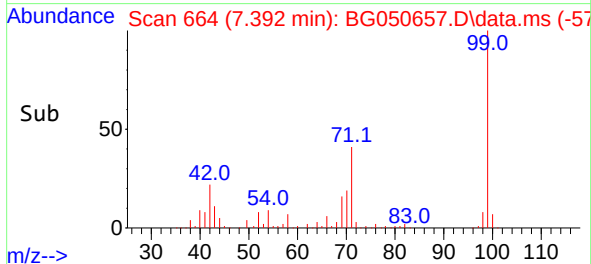
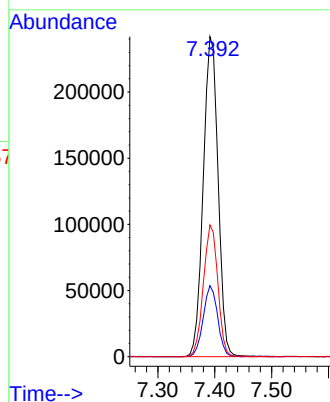
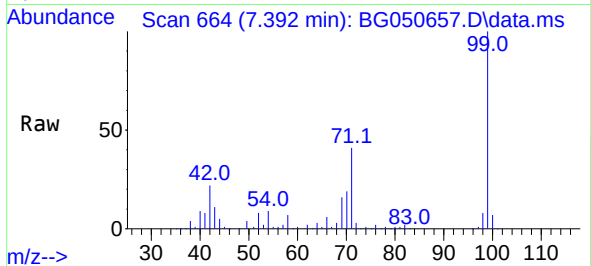
#7
Phenol-d6
Concen: 86.02 ng
RT: 7.392 min Scan# 664
Delta R.T. -0.009 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

Tgt Ion: 99 Resp: 437232
Ion Ratio Lower Upper
99 100
42 22.2 20.5 30.7
71 41.1 41.5 62.3#

Instrument :
BNA_G
ClientSampled :
RT-4197

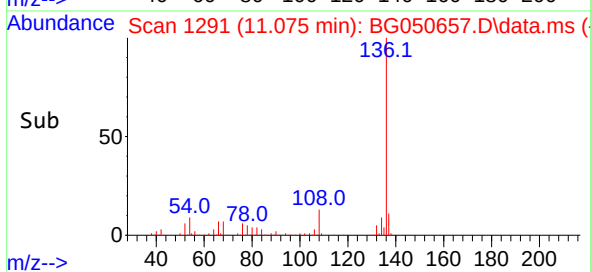
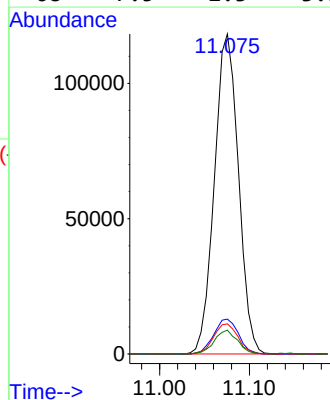
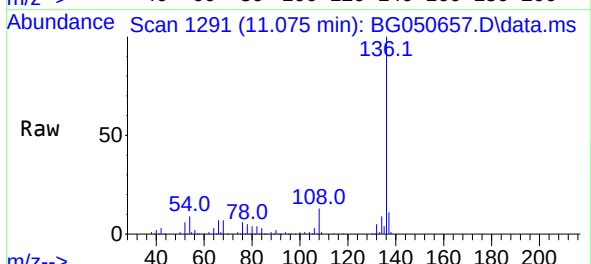
Manual Integrations
APPROVED

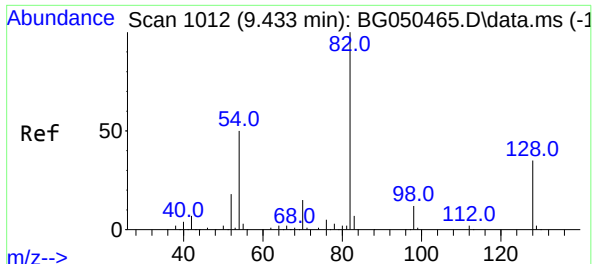
mohammad
10/21/2021 11:18:27 AM



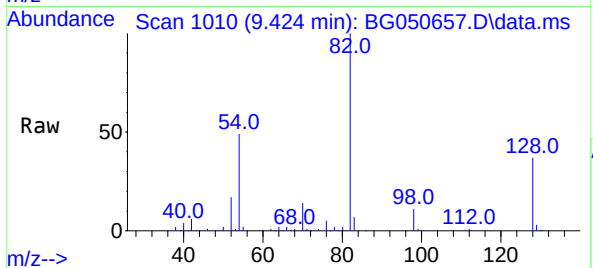
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.075 min Scan# 1291
Delta R.T. -0.009 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

Tgt Ion: 136 Resp: 219545
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.2
54 9.4 5.5 8.3#
68 7.5 2.3 3.5#

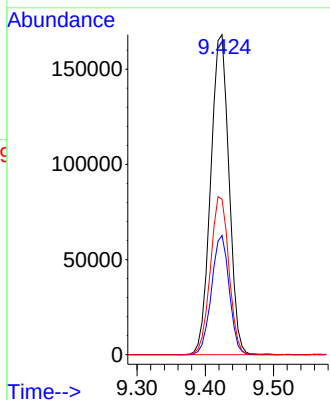
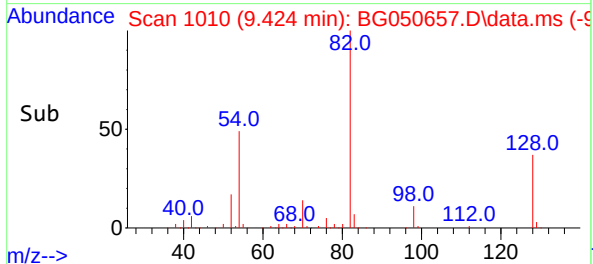




#23
Nitrobenzene-d5
Concen: 59.12 ng
RT: 9.424 min Scan# 1010
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



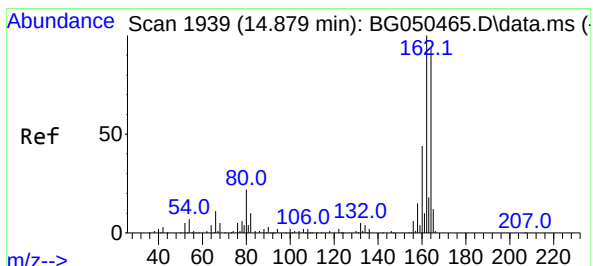
Tgt Ion: 82 Resp: 313568
Ion Ratio Lower Upper
82 100
128 37.2 29.8 44.6
54 48.6 45.8 68.8



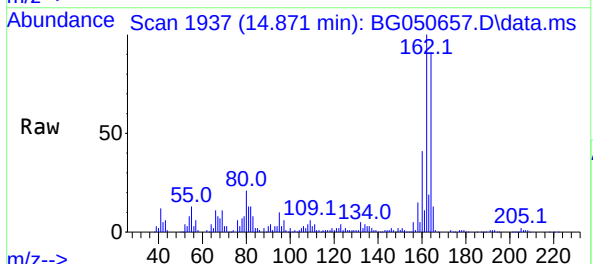
Instrument :
BNA_G
ClientSampled :
RT-4197

Manual Integrations
APPROVED

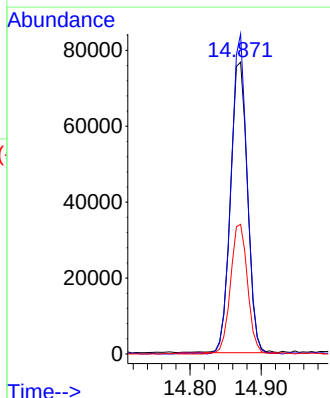
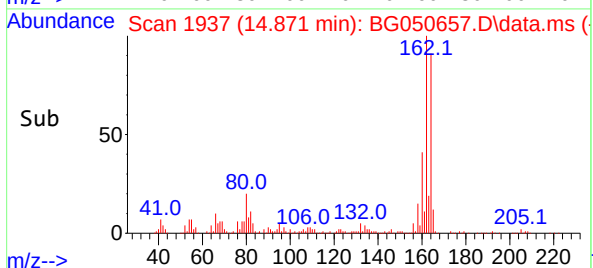
mohammad
10/21/2021 11:18:27 AM

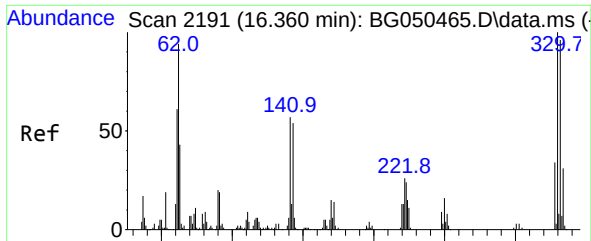


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.871 min Scan# 1937
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



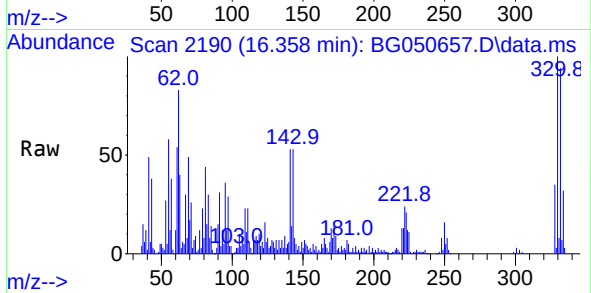
Tgt Ion: 164 Resp: 127542
Ion Ratio Lower Upper
164 100
162 109.7 81.4 122.0
160 44.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 86.52 ng
RT: 16.358 min Scan# 2190
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

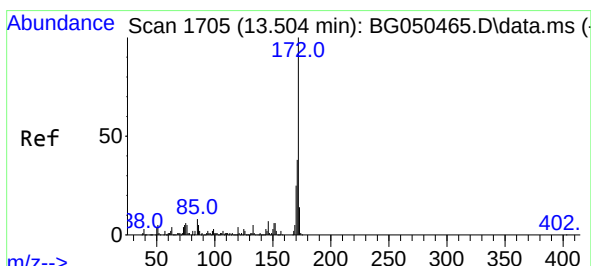
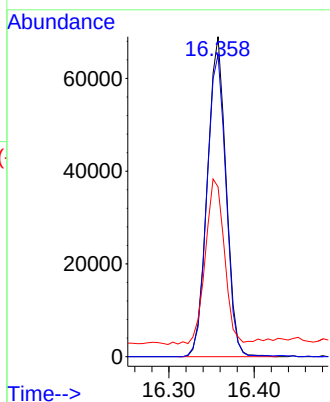
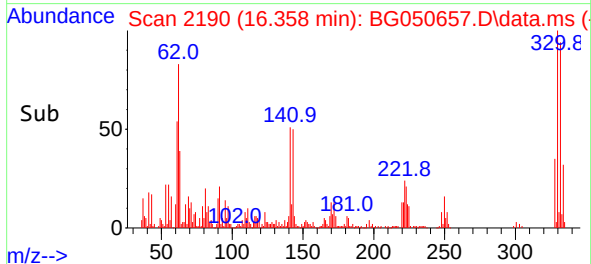
Instrument :
BNA_G
ClientSampleId :
RT-4197



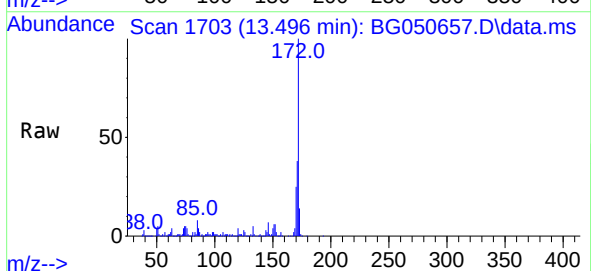
Tgt Ion:330 Resp: 105259
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 52.5 35.6 53.4

Manual Integrations
APPROVED

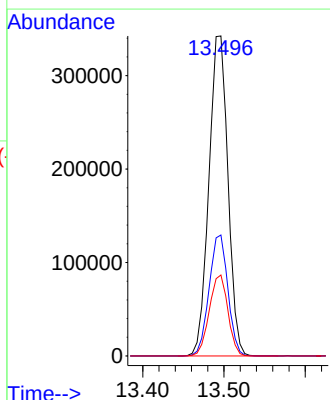
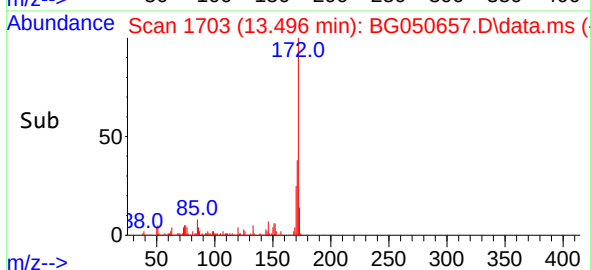
mohammad
10/21/2021 11:18:27 AM

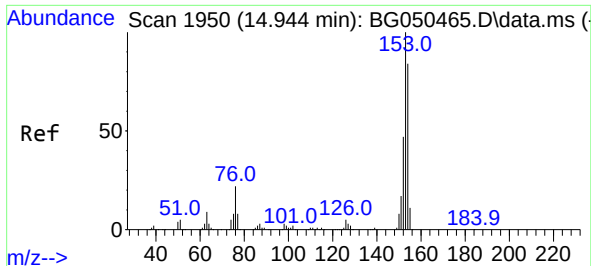


#45
2-Fluorobiphenyl
Concen: 65.77 ng
RT: 13.496 min Scan# 1703
Delta R.T. -0.009 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



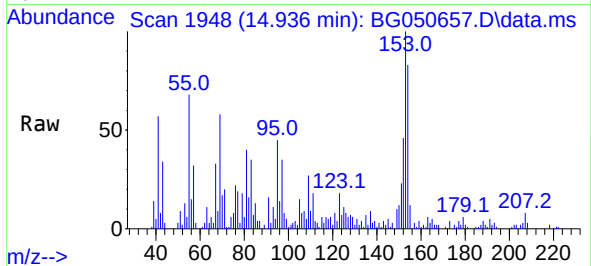
Tgt Ion:172 Resp: 557322
Ion Ratio Lower Upper
172 100
171 37.8 28.6 43.0
170 25.3 18.6 27.8





#52
Acenaphthene
Concen: 3.48 ng
RT: 14.936 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

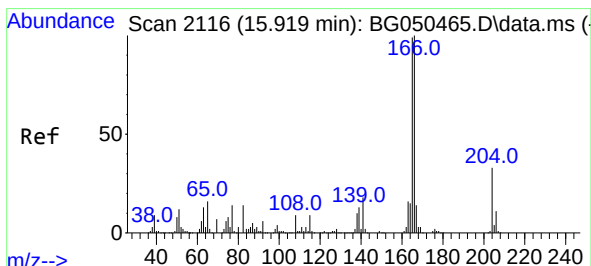
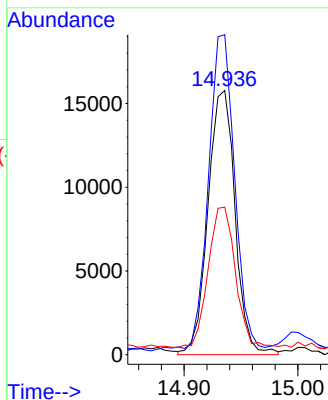
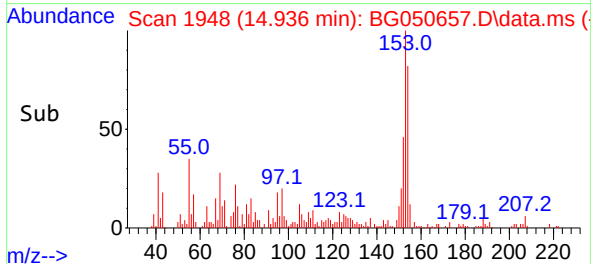
Instrument :
BNA_G
ClientSampled :
RT-4197



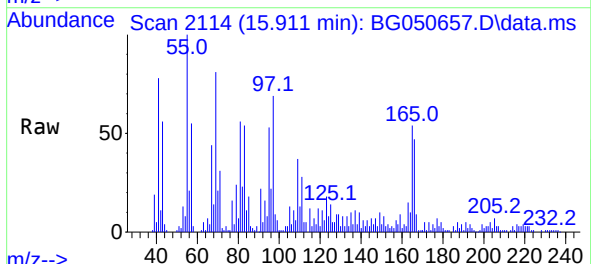
Tgt Ion:154 Resp: 26149
Ion Ratio Lower Upper
154 100
153 121.2 87.0 130.4
152 55.9 40.1 60.1

Manual Integrations
APPROVED

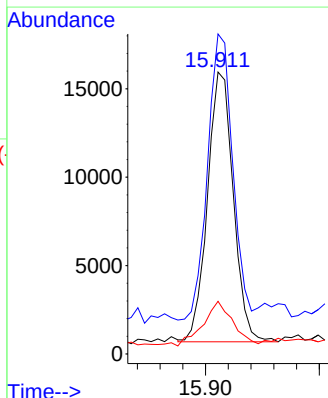
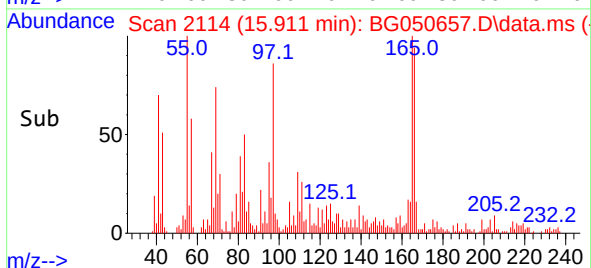
mohammad
10/21/2021 11:18:27 AM

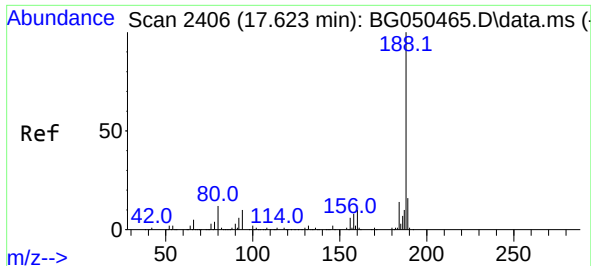


#58
Fluorene
Concen: 2.69 ng
RT: 15.911 min Scan# 2114
Delta R.T. -0.009 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

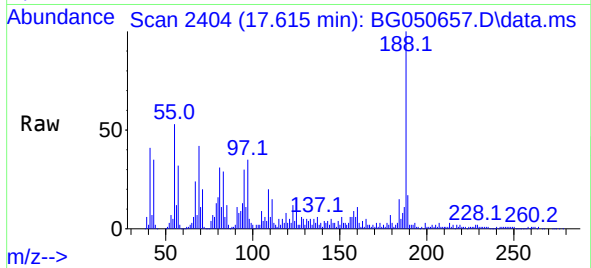


Tgt Ion:166 Resp: 24062
Ion Ratio Lower Upper
166 100
165 113.5 77.7 116.5
167 18.6 10.8 16.2#

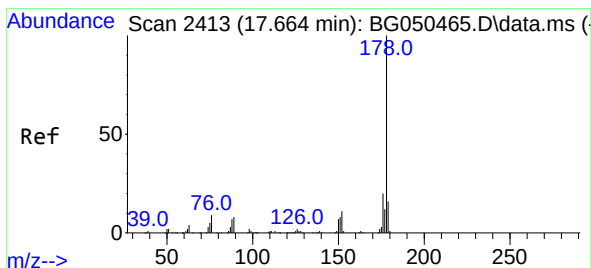
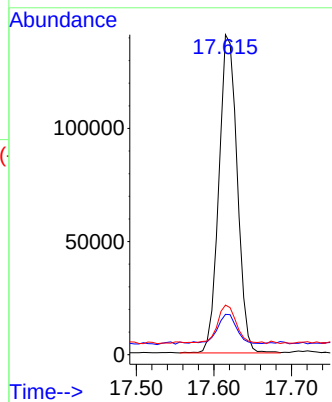
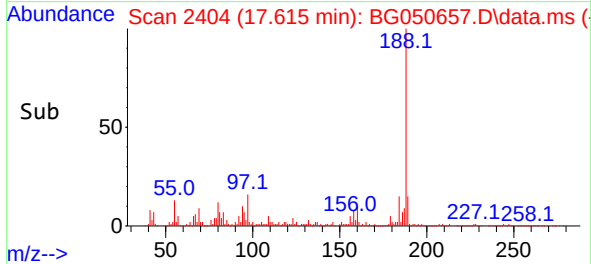




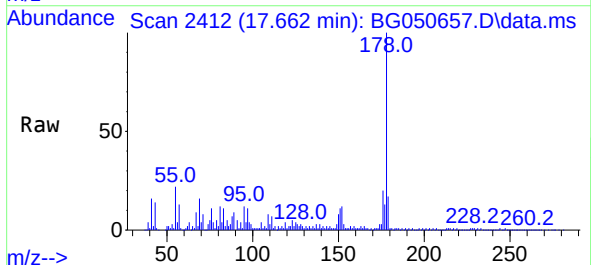
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.615 min Scan# 2404
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



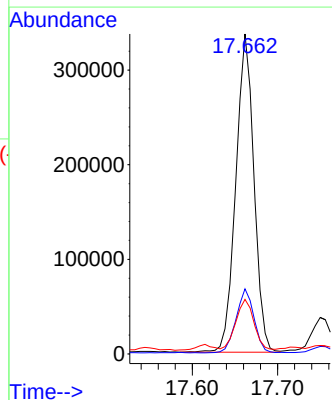
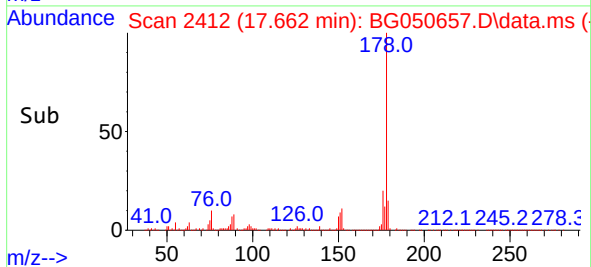
Tgt Ion:188 Resp: 231634
Ion Ratio Lower Upper
188 100
94 12.6 5.4 8.0#
80 15.5 3.7 5.5#



#71
Phenanthrene
Concen: 40.70 ng
RT: 17.662 min Scan# 2412
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



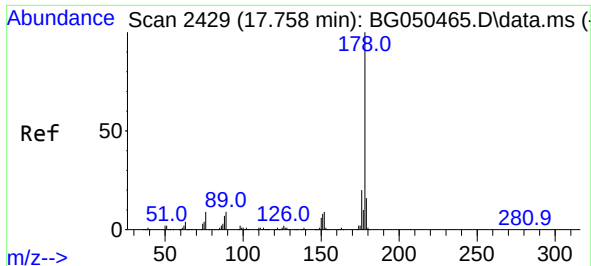
Tgt Ion:178 Resp: 496817
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 17.0 14.2 21.4



Instrument :
BNA_G
ClientSampleId :
RT-4197

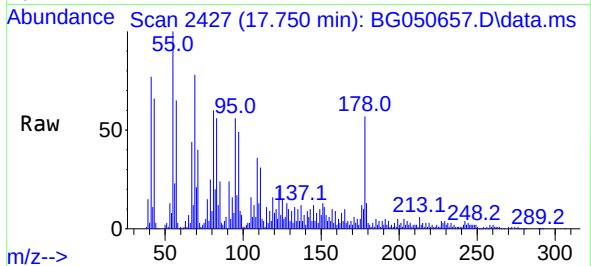
Manual Integrations
APPROVED

mohammad
10/21/2021 11:18:27 AM



#72
 Anthracene
 Concen: 4.88 ng m
 RT: 17.750 min Scan# 2427
 Delta R.T. -0.003 min
 Lab File: BG050657.D
 Acq: 20 Oct 2021 22:58

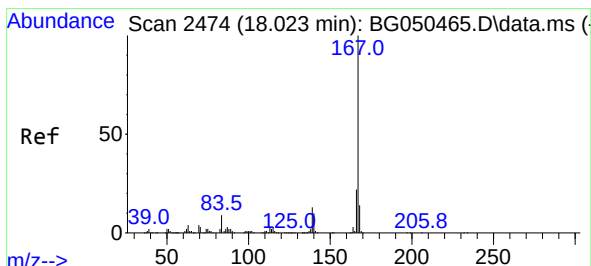
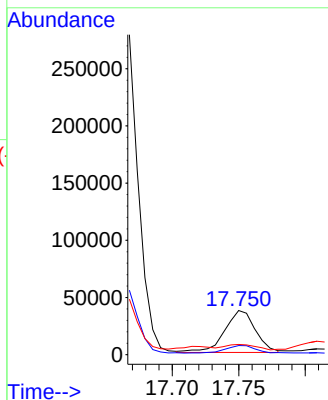
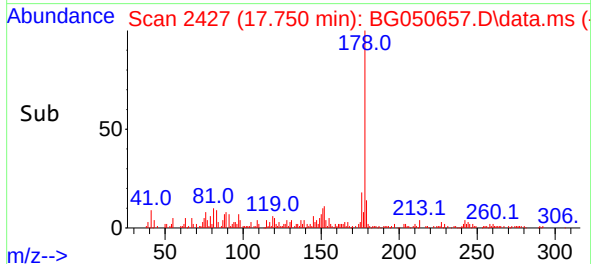
Instrument :
 BNA_G
 ClientSampleId :
 RT-4197



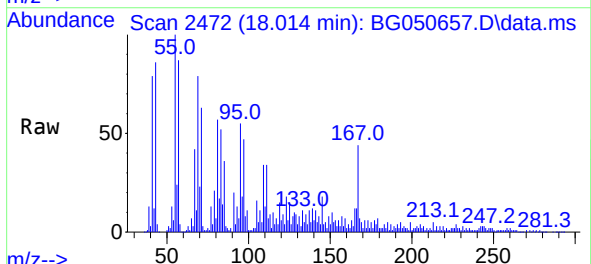
Tgt Ion:178 Resp: 59157
 Ion Ratio Lower Upper
 178 100
 176 20.8 14.6 21.8
 179 23.2 13.4 20.0#

Manual Integrations
 APPROVED

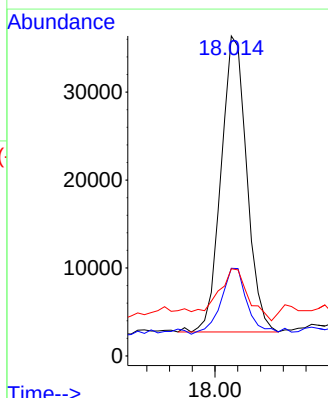
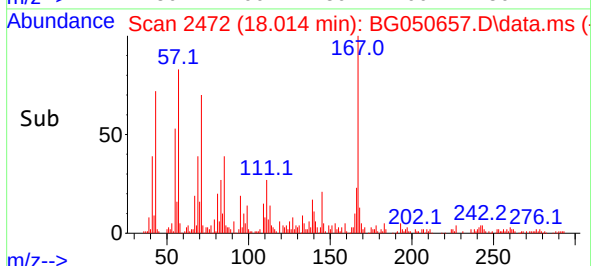
mohammad
 10/21/2021 11:18:27 AM

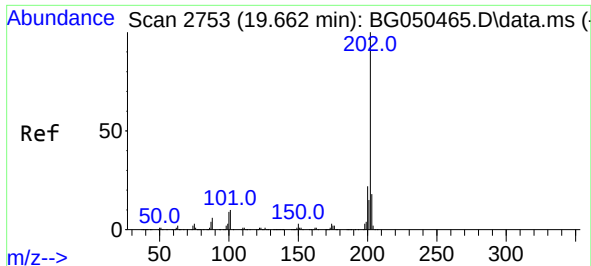


#73
 Carbazole
 Concen: 4.36 ng
 RT: 18.014 min Scan# 2472
 Delta R.T. -0.009 min
 Lab File: BG050657.D
 Acq: 20 Oct 2021 22:58



Tgt Ion:167 Resp: 52736
 Ion Ratio Lower Upper
 167 100
 166 27.4 17.4 26.2#
 139 27.3 10.7 16.1#





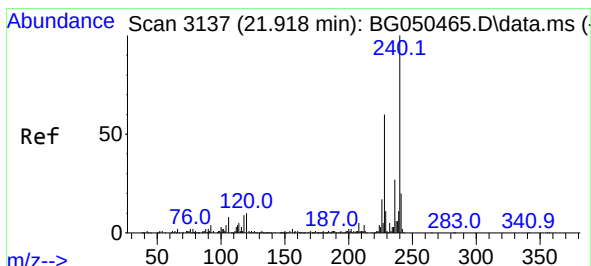
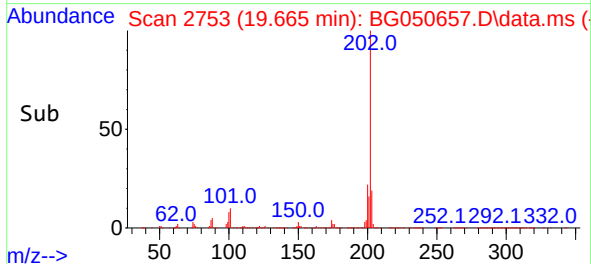
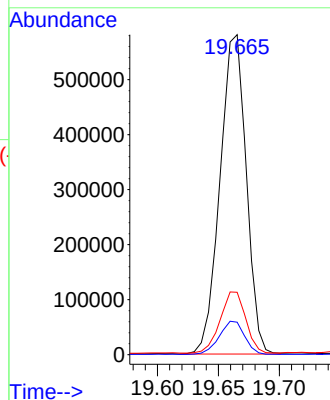
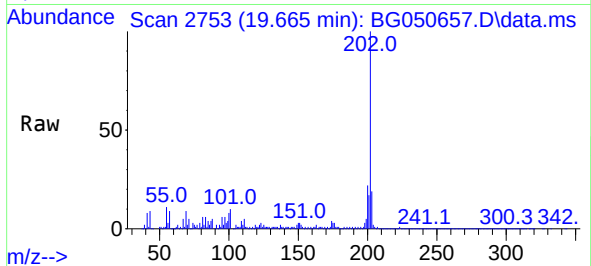
#75
Fluoranthene
Concen: 58.08 ng
RT: 19.665 min Scan# 2753
Delta R.T. 0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

Tgt Ion:	202	Resp:	871477
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	24.7
203	19.5	0.0	38.5

Instrument :
BNA_G
ClientSampleId :
RT-4197

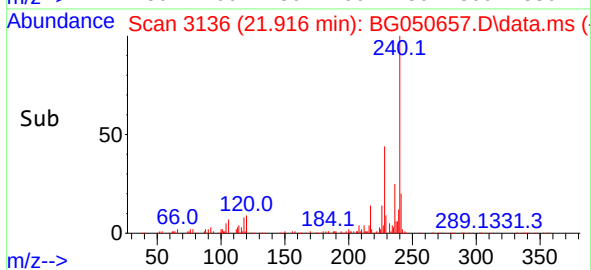
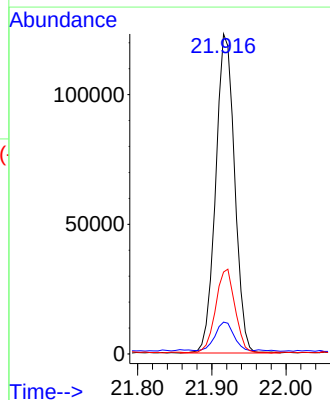
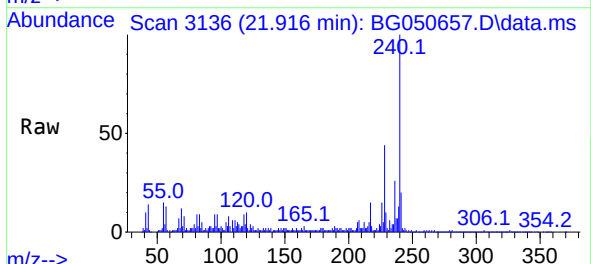
Manual Integrations
APPROVED

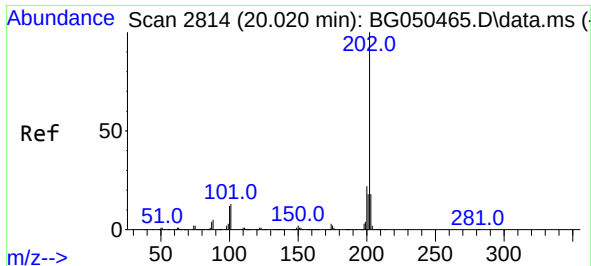
mohammad
10/21/2021 11:18:27 AM



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.916 min Scan# 3136
Delta R.T. -0.009 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

Tgt Ion:	240	Resp:	218000
Ion Ratio	Lower	Upper	
240	100		
120	9.9	4.2	6.2#
236	25.6	21.8	32.6





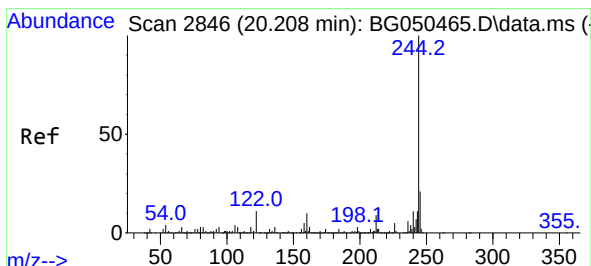
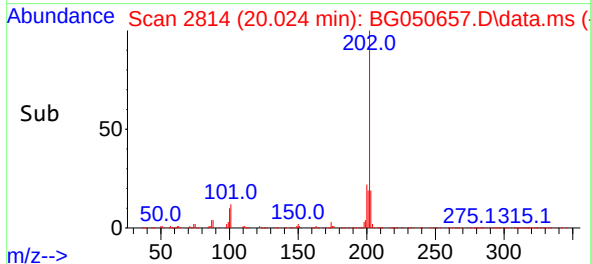
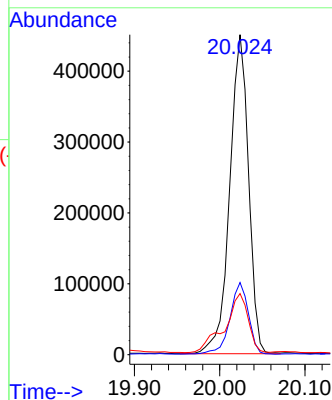
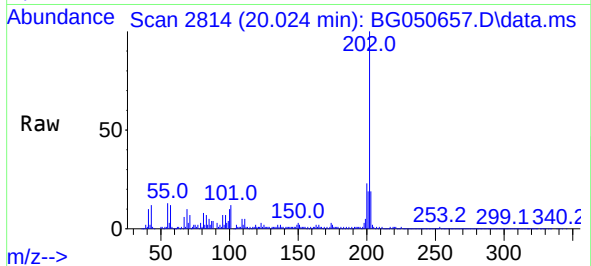
#78
Pyrene
Concen: 44.53 ng
RT: 20.024 min Scan# 2814
Delta R.T. 0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

Tgt Ion:202 Resp: 688704
Ion Ratio Lower Upper
202 100
200 22.5 15.8 23.8
203 19.1 14.6 21.8

Instrument :
BNA_G
ClientSampleId :
RT-4197

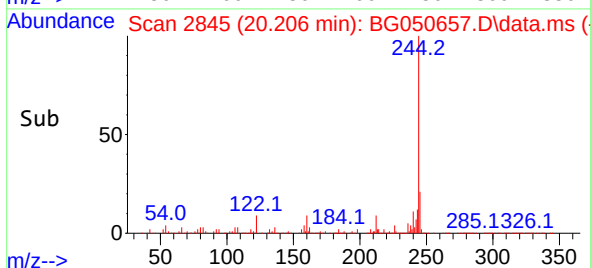
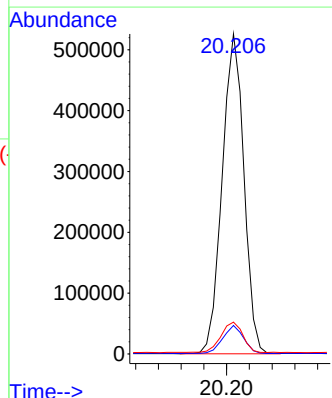
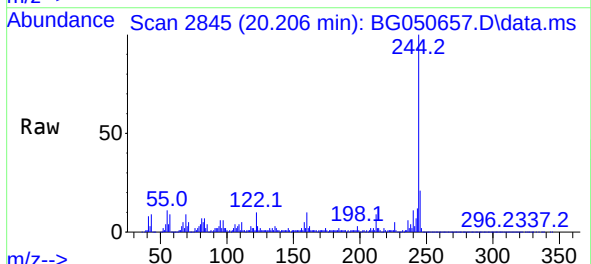
Manual Integrations
APPROVED

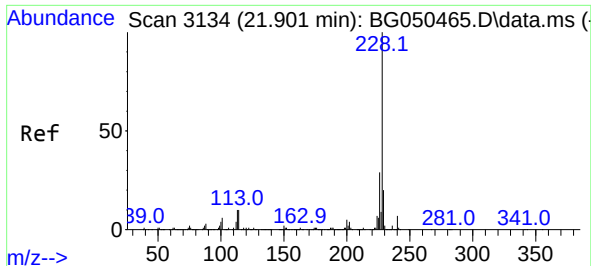
mohammad
10/21/2021 11:18:27 AM



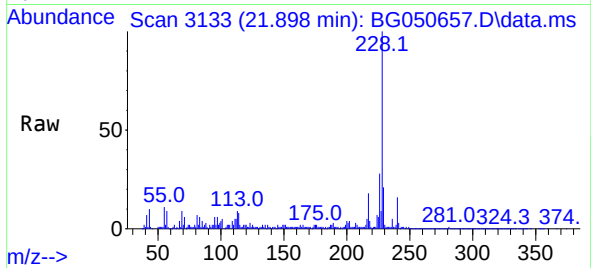
#79
Terphenyl-d14
Concen: 62.31 ng
RT: 20.206 min Scan# 2845
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

Tgt Ion:244 Resp: 697069
Ion Ratio Lower Upper
244 100
212 8.9 6.9 10.3
122 10.0 5.0 7.6#

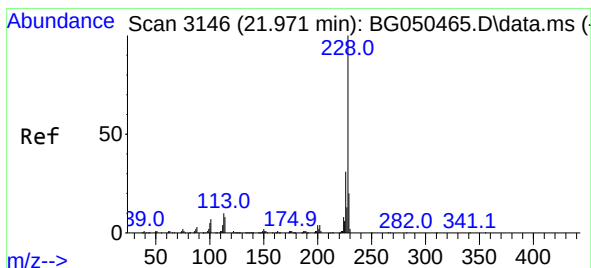
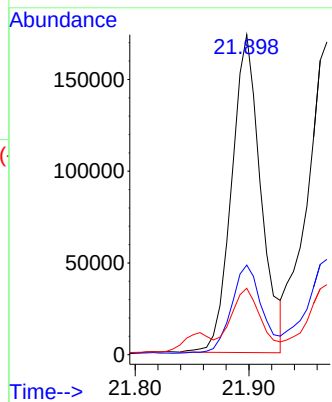
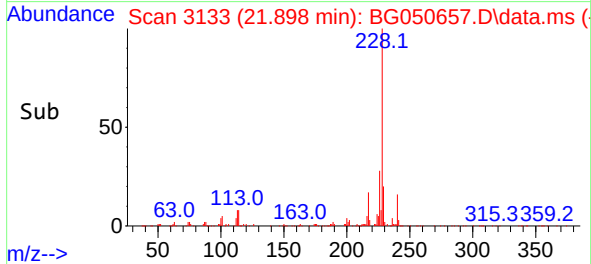




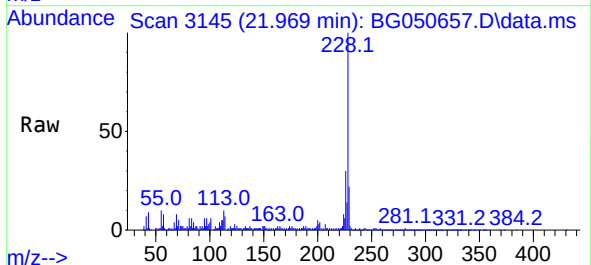
#81
Benzo(a)anthracene
Concen: 21.42 ng
RT: 21.898 min Scan# 3133
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



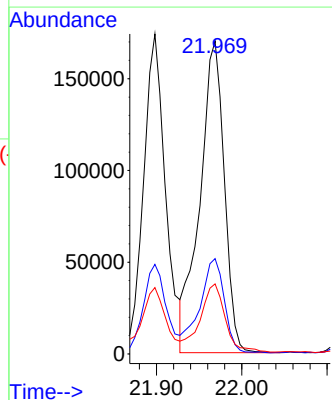
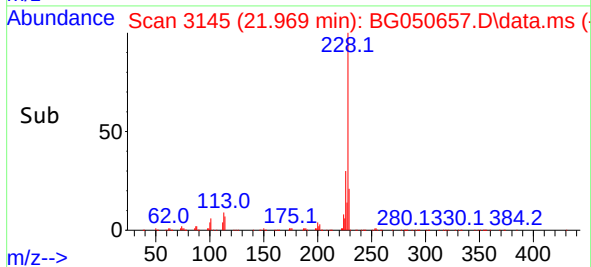
Tgt Ion:228 Resp: 308990
Ion Ratio Lower Upper
228 100
226 28.0 22.7 34.1
229 20.7 16.0 24.0



#83
Chrysene
Concen: 24.96 ng
RT: 21.969 min Scan# 3145
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



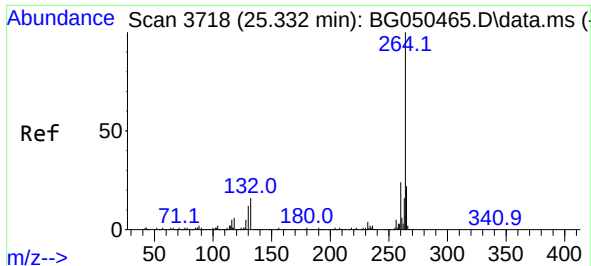
Tgt Ion:228 Resp: 338695
Ion Ratio Lower Upper
228 100
226 30.5 23.1 34.7
229 22.4 15.3 22.9



Instrument :
BNA_G
ClientSampled :
RT-4197

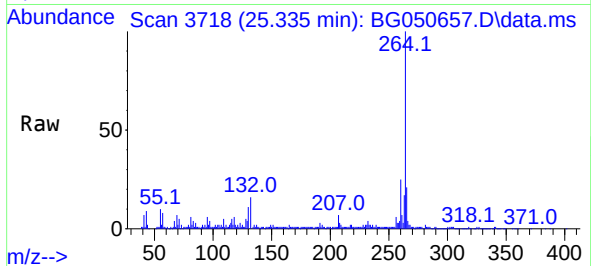
Manual Integrations
APPROVED

mohammad
10/21/2021 11:18:27 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.335 min Scan# 3718
Delta R.T. 0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

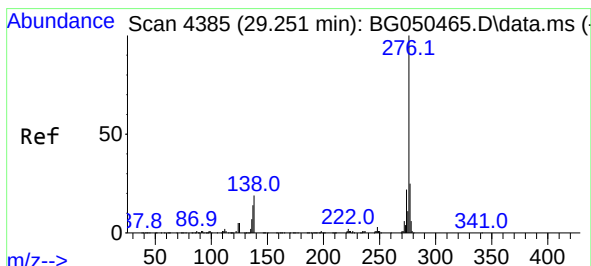
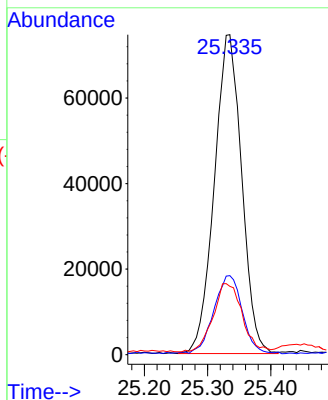
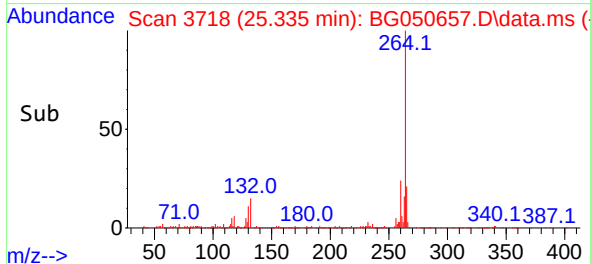
Instrument :
BNA_G
ClientSampled :
RT-4197



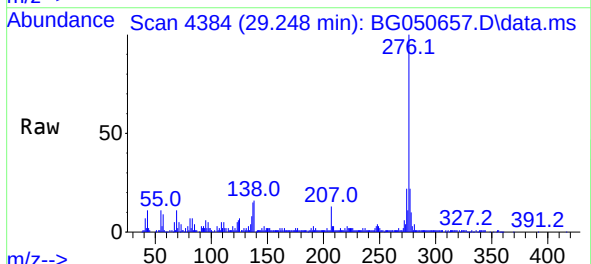
Tgt Ion:264 Resp: 224013
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.2
265 21.4 16.9 25.3

Manual Integrations
APPROVED

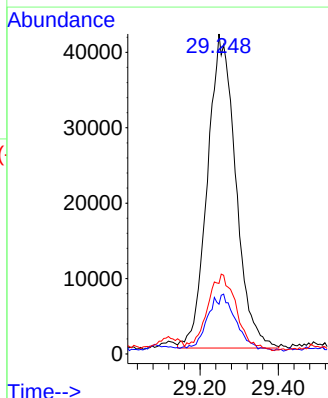
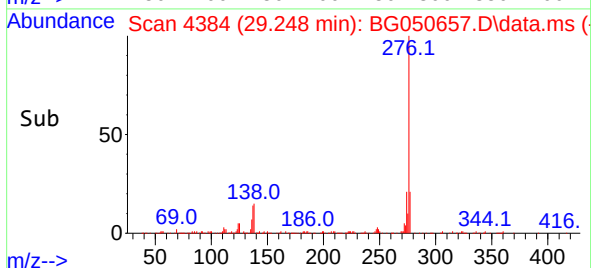
mohammad
10/21/2021 11:18:27 AM

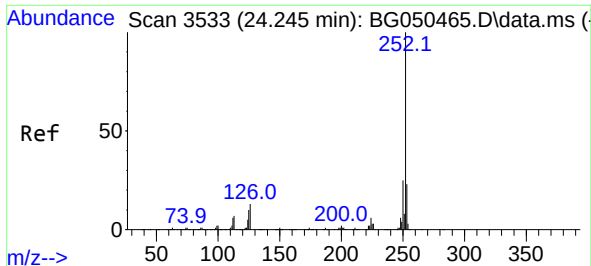


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.37 ng m
RT: 29.248 min Scan# 4384
Delta R.T. -0.015 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

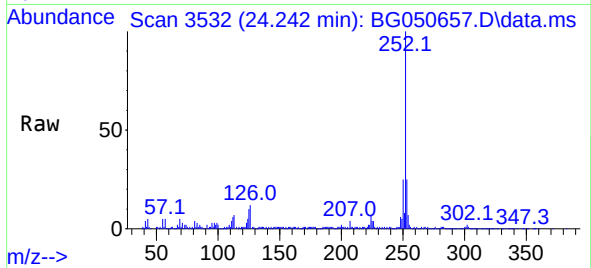


Tgt Ion:276 Resp: 208607
Ion Ratio Lower Upper
276 100
138 0.9 5.1 7.7#
277 3.3 19.8 29.6#

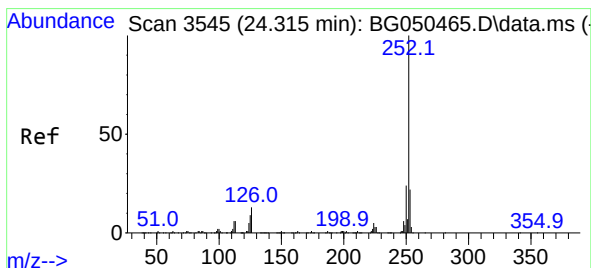
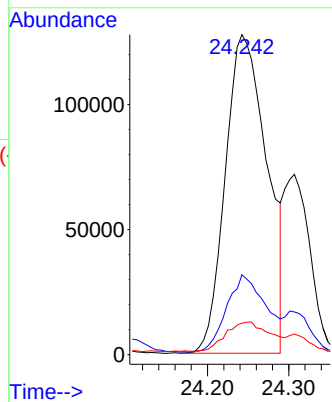
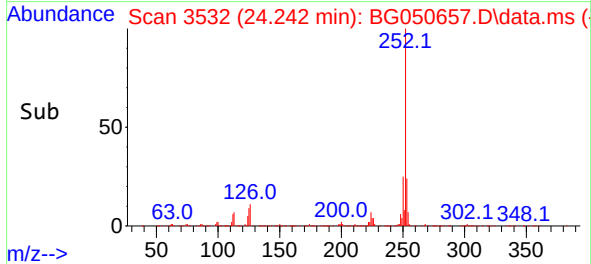




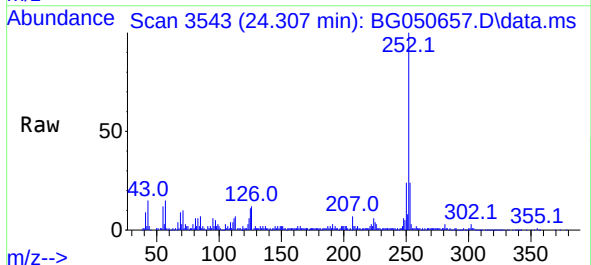
#88
Benzo(b)fluoranthene
Concen: 33.08 ng
RT: 24.242 min Scan# 3532
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



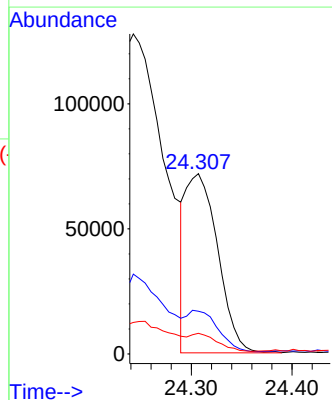
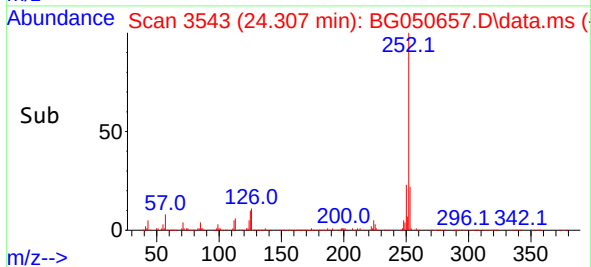
Tgt Ion:252 Resp: 453874
Ion Ratio Lower Upper
252 100
253 24.9 16.2 24.4#
125 9.8 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 11.68 ng m
RT: 24.307 min Scan# 3543
Delta R.T. -0.009 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58



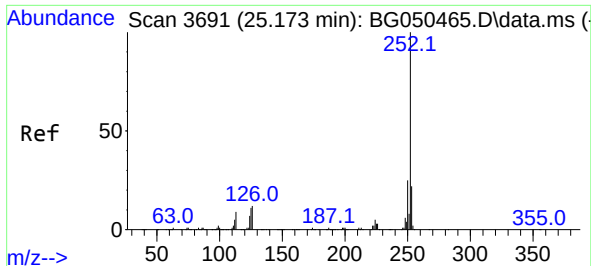
Tgt Ion:252 Resp: 157677
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 11.5 3.1 4.7#



Instrument :
BNA_G
ClientSampleId :
RT-4197

Manual Integrations
APPROVED

mohammad
10/21/2021 11:18:27 AM



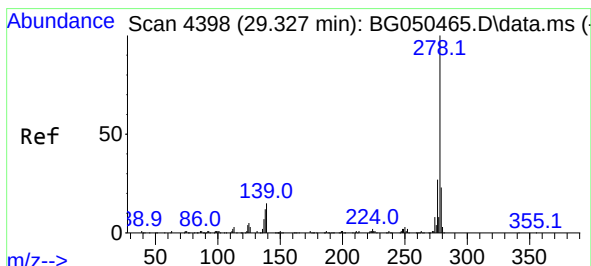
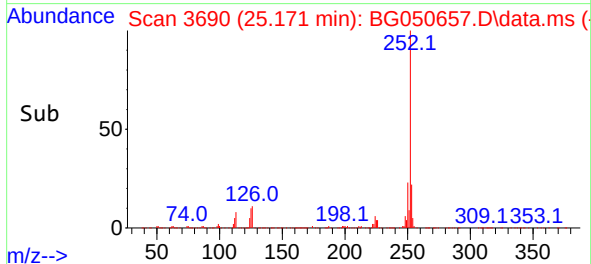
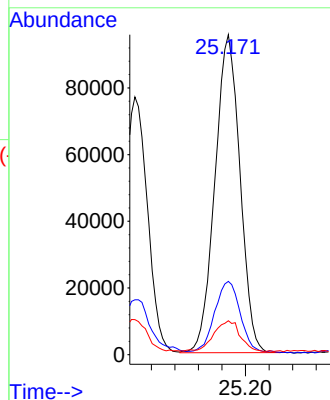
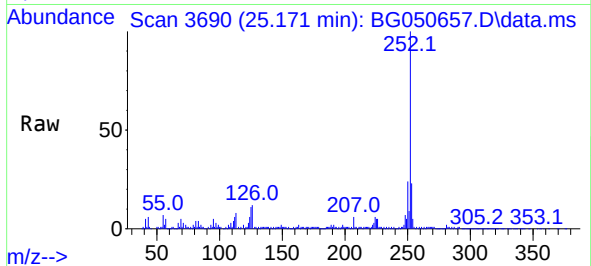
#90
Benzo(a)pyrene
Concen: 24.15 ng
RT: 25.171 min Scan# 3690
Delta R.T. -0.003 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

Tgt Ion:252 Resp: 281730
Ion Ratio Lower Upper
252 100
253 22.9 16.6 25.0
125 10.6 3.5 5.3#

Instrument :
BNA_G
ClientSampleId :
RT-4197

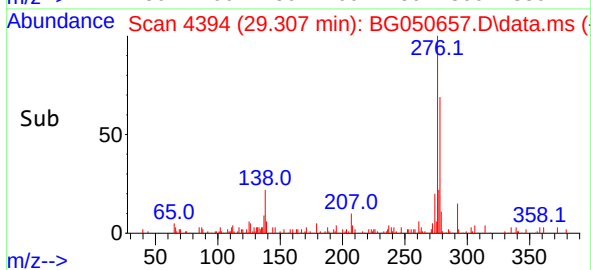
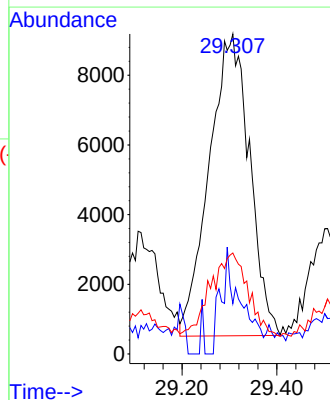
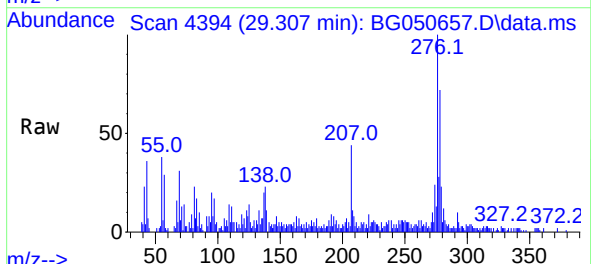
Manual Integrations
APPROVED

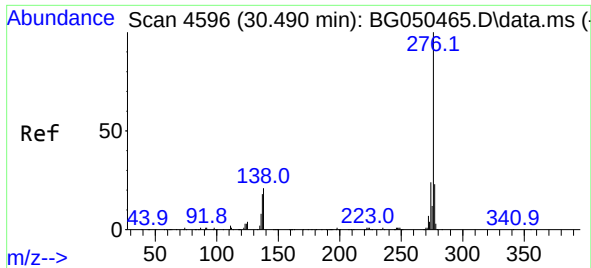
mohammad
10/21/2021 11:18:27 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.96 ng
RT: 29.307 min Scan# 4394
Delta R.T. -0.027 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

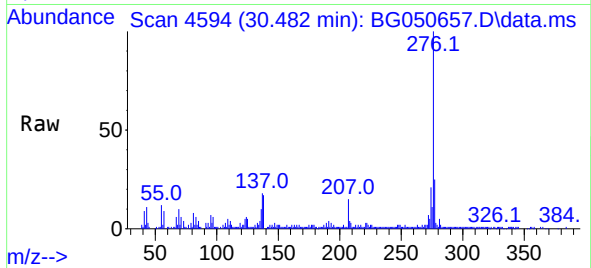
Tgt Ion:278 Resp: 51135
Ion Ratio Lower Upper
278 100
139 15.8 4.6 6.8#
279 31.5 17.9 26.9#





#92
Benzo(g,h,i)perylene
Concen: 15.52 ng
RT: 30.482 min Scan# 4594
Delta R.T. -0.015 min
Lab File: BG050657.D
Acq: 20 Oct 2021 22:58

Instrument :
BNA_G
ClientSampleId :
RT-4197



Tgt Ion: 276 Resp: 196219
Ion Ratio Lower Upper
276 100
277 25.3 18.4 27.6
138 16.7 7.0 10.6#

Manual Integrations
APPROVED

mohammad
10/21/2021 11:18:27 AM

