

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090221\
 Data File : BG050107.D
 Acq On : 2 Sep 2021 21:53
 Operator : CG/JU
 Sample : M3526-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW7C4

Manual Integrations
 APPROVED

mohammad
 9/3/2021 3:31:58 PM

Quant Time: Sep 03 00:58:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	29732	20.000	ng/ul	0.00
20) Naphthalene-d8	10.774	136	117115	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.622	164	68544	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.377	188	131755	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.654	240	133081	20.000	ng/ul	0.00
88) Perylene-d12	24.873	264	138457	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.308	96	1276m	2.213	ng/uL	0.00
4) Pyridine-d5	3.754	84	10829m	6.235	ng/ul	0.01
7) Phenol-d5	7.126	99	28442	11.265	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.273	67	16240	11.578	ng/ul	0.00
11) 2-Chlorophenol-d4	7.484	132	21024	11.129	ng/ul	0.00
15) 4-Methylphenol-d8	8.677	113	15287	7.688	ng/ul	0.00
21) Nitrobenzene-d5	9.123	128	11459	12.620	ng/ul	0.00
24) 2-Nitrophenol-d4	9.852	143	12969	11.996	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.410	165	21678	11.242	ng/ul	0.00
31) 4-Chloroaniline-d4	10.915	131	13206m	5.031	ng/ul	0.00
46) Dimethylphthalate-d6	14.011	166	68093	12.981	ng/ul	-0.01
49) Acenaphthylene-d8	14.310	160	83845	13.632	ng/ul	0.00
54) 4-Nitrophenol-d4	14.857	143	6838	9.010	ng/ul	0.01
60) Fluorene-d10	15.615	176	59675	13.417	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.750	200	10955	12.924	ng/ul	0.00
73) Anthracene-d10	17.477	188	84050	14.206	ng/ul	0.00
81) Pyrene-d10	19.768	212	98440	13.688	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.649	264	83498	11.367	ng/ul	0.00
Target Compounds						
					Qvalue	
25) 2-Nitrophenol	9.875	139	1389m	1.321	ng/ul	
30) Naphthalene	10.821	128	9374	1.601	ng/ul#	81
36) 2-Methylnaphthalene	12.437	142	7383	1.697	ng/ul	95
37) 1-Methylnaphthalene	12.660	142	6278m	1.429	ng/ul	
52) Acenaphthene	14.681	153	10033	2.460	ng/ul	89
56) Dibenzofuran	15.015	168	9250	1.638	ng/ul#	64
61) Fluorene	15.673	166	14130m	2.966	ng/ul	
72) Phenanthrene	17.418	178	152631	23.237	ng/ul#	94
74) Anthracene	17.512	178	55794	8.382	ng/ul#	86
77) Carbazole	17.782	167	10344	1.746	ng/ul#	18
80) Fluoranthene	19.439	202	308889	34.807	ng/ul	99
82) Pyrene	19.803	202	319566	36.340	ng/ul	99
85) Benzo(a)anthracene	21.636	228	167401m	20.187	ng/ul	
87) Chrysene	21.700	228	163337	20.837	ng/ul	96
90) Benzo(b)fluoranthene	23.851	252	165954	18.738	ng/ul#	91
91) Benzo(k)fluoranthene	23.915	252	67704m	8.042	ng/ul	
93) Benzo(a)pyrene	24.720	252	97786	12.713	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	28.562	276	73398m	7.234	ng/ul	
95) Dibenzo(a,h)anthracene	28.591	278	24382m	2.871	ng/ul	
96) Benzo(g,h,i)perylene	29.707	276	8841m	1.036	ng/ul	

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

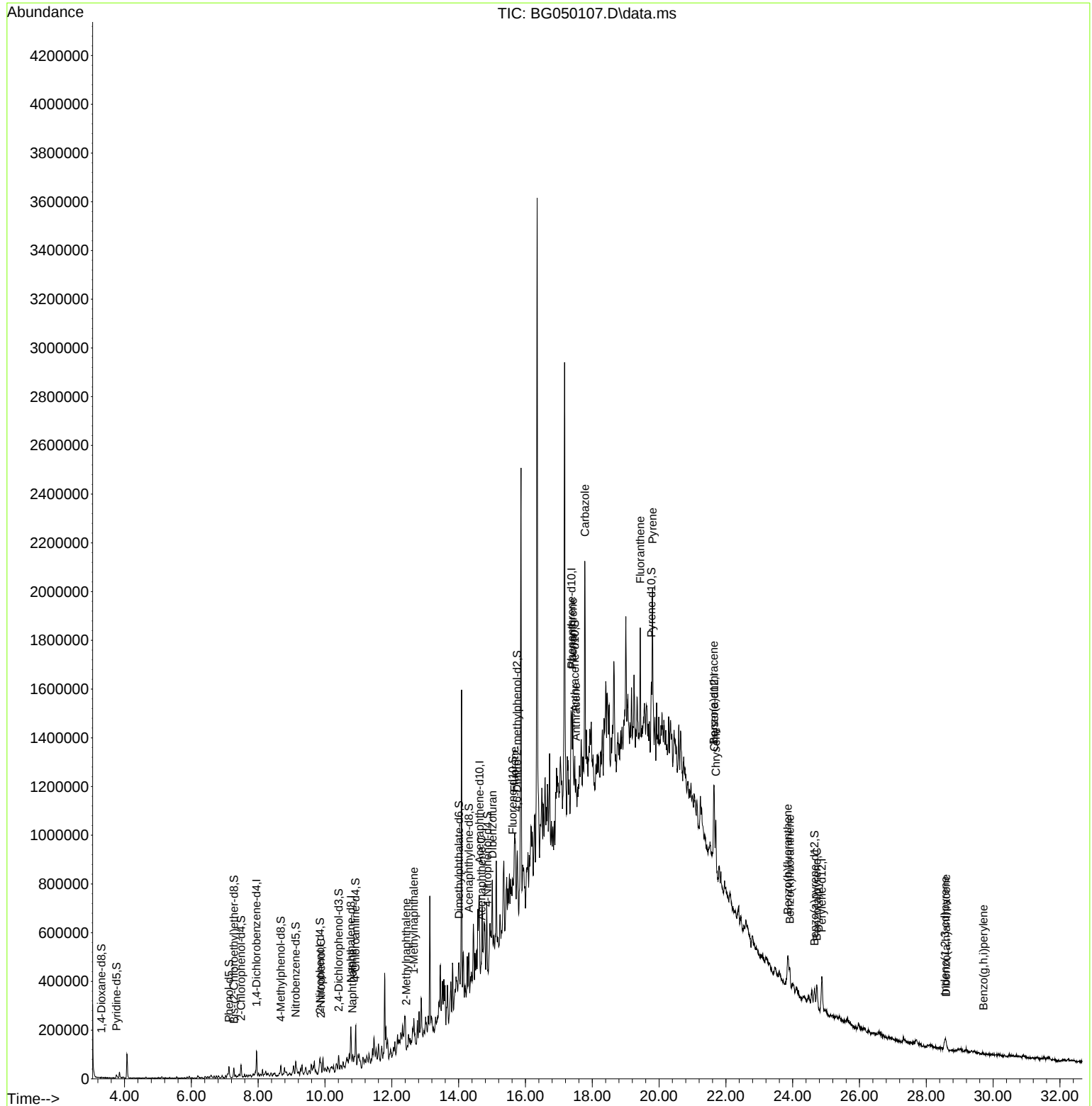
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090221\
Data File : BG050107.D
Acq On : 2 Sep 2021 21:53
Operator : CG/JU
Sample : M3526-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

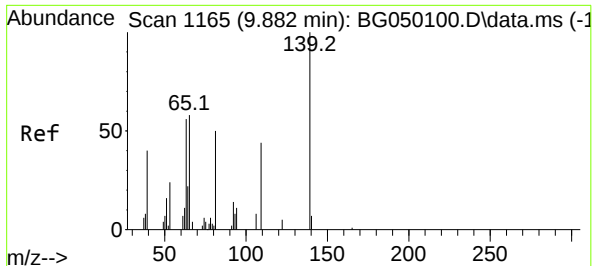
Instrument :
BNA_G
ClientSampleId :
EW7C4

Manual Integrations
APPROVED

mohammad
9/3/2021 3:31:58 PM

Quant Time: Sep 03 00:58:59 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration





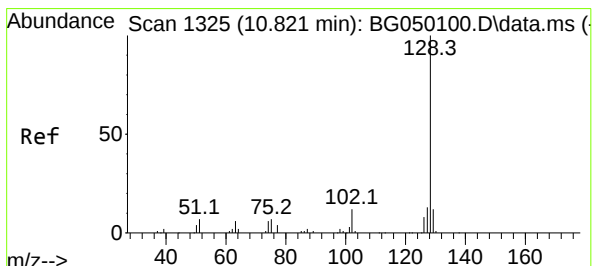
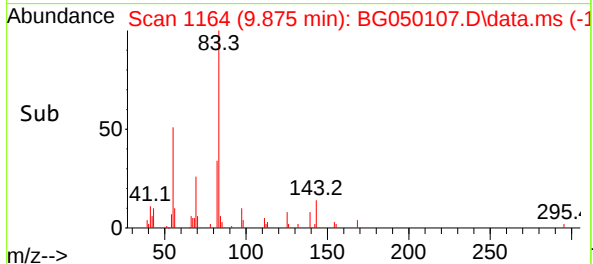
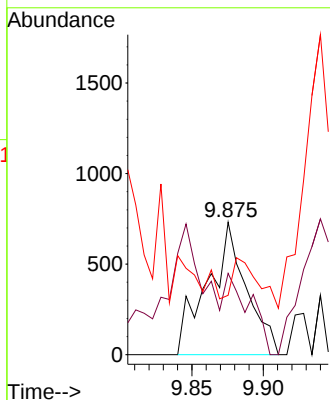
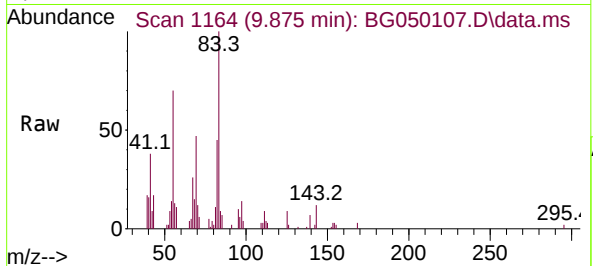
#25
2-Nitrophenol
Concen: 1.321 ng/ul m
RT: 9.875 min Scan# 1164
Delta R.T. -0.018 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

Tgt Ion	Ratio	Lower	Upper
139	100		
65	61.3	53.1	79.7
109	44.8	44.1	66.1

Instrument :
BNA_G
ClientSampled :
EW7C4

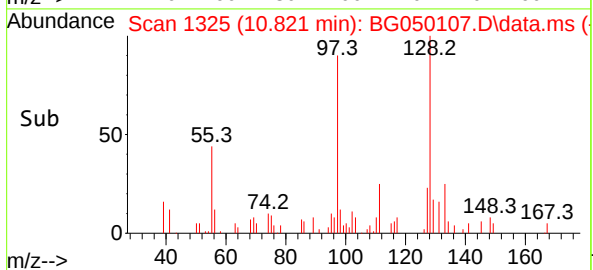
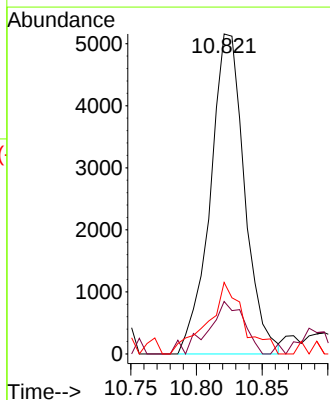
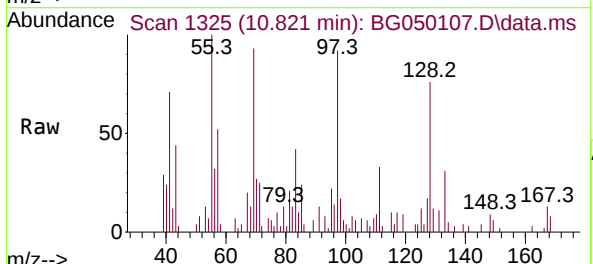
Manual Integrations
APPROVED

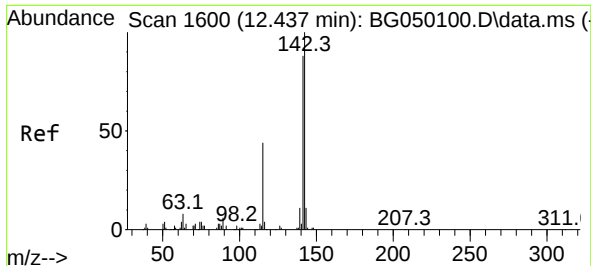
mohammad
9/3/2021 3:31:58 PM



#30
Naphthalene
Concen: 1.601 ng/ul
RT: 10.821 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	16.4	9.3	13.9#
127	22.3	9.8	14.6#





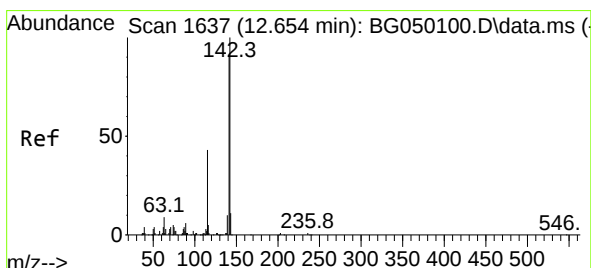
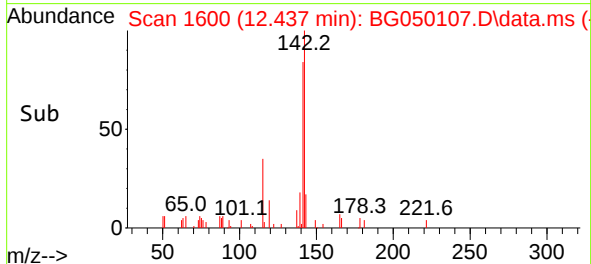
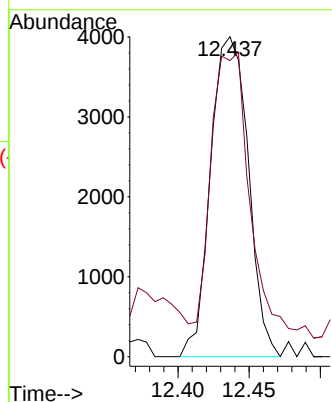
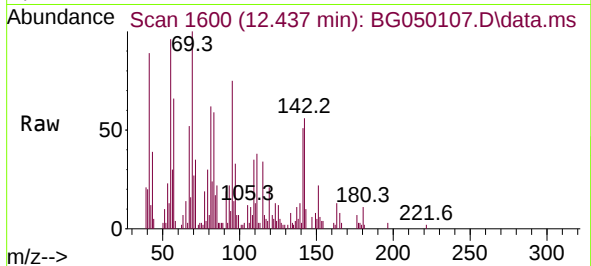
#36
2-Methylnaphthalene
Concen: 1.697 ng/ul
RT: 12.437 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

Instrument :
BNA_G
ClientSampled :
EW7C4

Tgt Ion:142 Resp: 7383
Ion Ratio Lower Upper
142 100
141 92.6 70.5 105.7

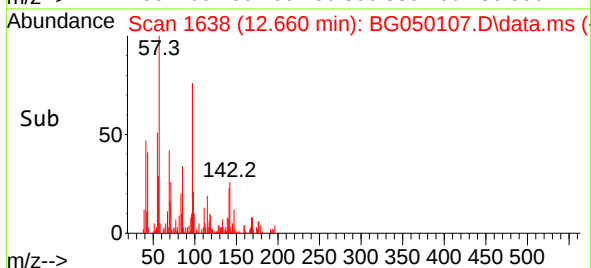
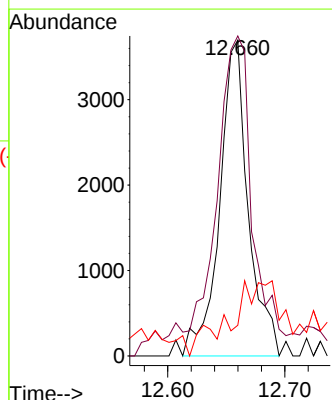
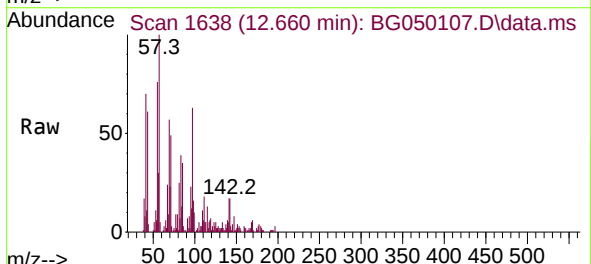
Manual Integrations
APPROVED

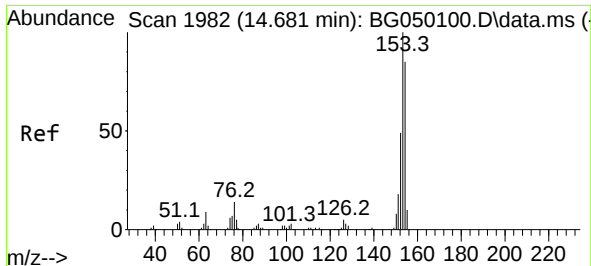
mohammad
9/3/2021 3:31:58 PM



#37
1-Methylnaphthalene
Concen: 1.429 ng/ul m
RT: 12.660 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

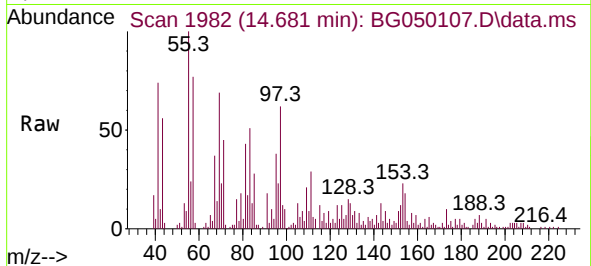
Tgt Ion:142 Resp: 6278
Ion Ratio Lower Upper
142 100
141 101.3 75.8 113.8
116 9.7 3.7 5.5#





#52
Acenaphthene
Concen: 2.460 ng/uI
RT: 14.681 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

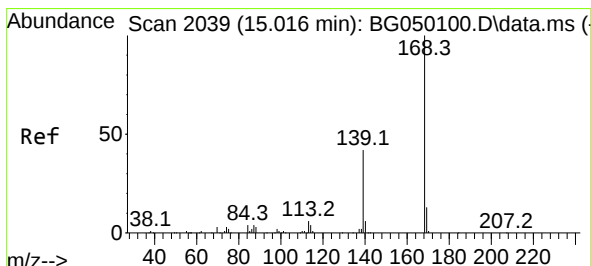
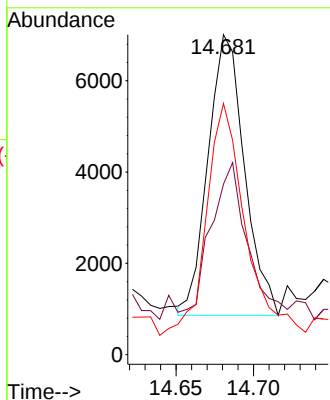
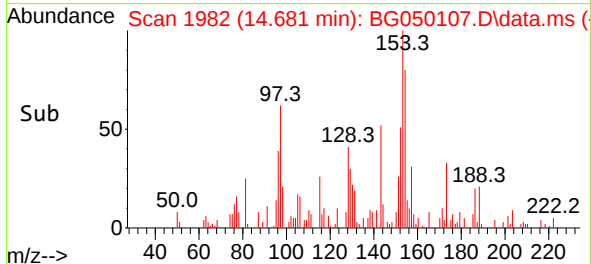
Instrument :
BNA_G
ClientSampled :
EW7C4



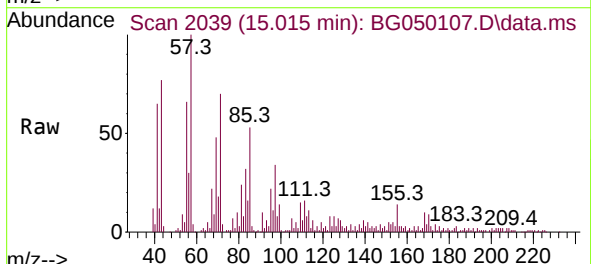
Tgt Ion:153 Resp: 10033
Ion Ratio Lower Upper
153 100
152 53.3 37.4 56.2
154 78.5 71.5 107.3

Manual Integrations
APPROVED

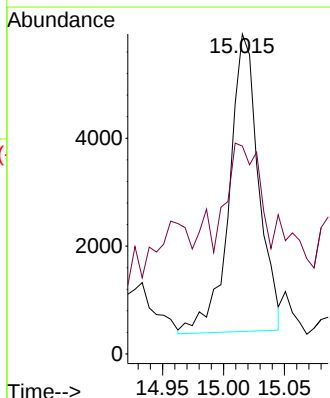
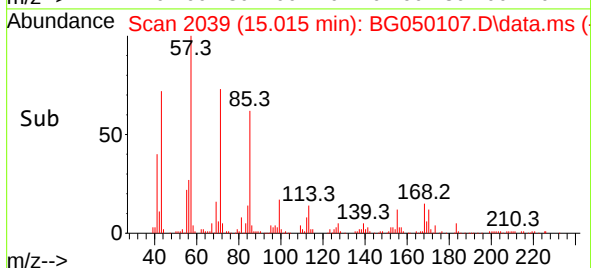
mohammad
9/3/2021 3:31:58 PM

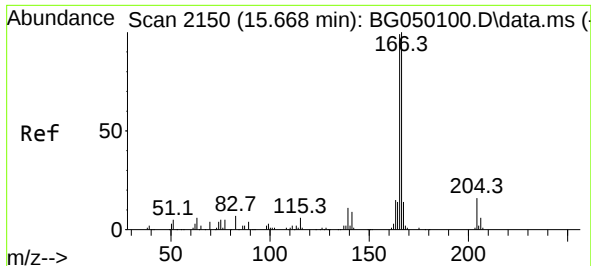


#56
Dibenzofuran
Concen: 1.638 ng/uI
RT: 15.015 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53



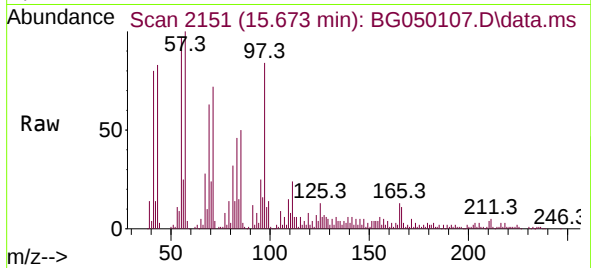
Tgt Ion:168 Resp: 9250
Ion Ratio Lower Upper
168 100
139 64.9 33.8 50.8#





#61
Fluorene
Concen: 2.966 ng/ul m
RT: 15.673 min Scan# 2151
Delta R.T. 0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

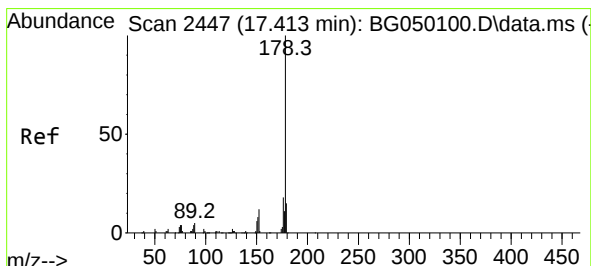
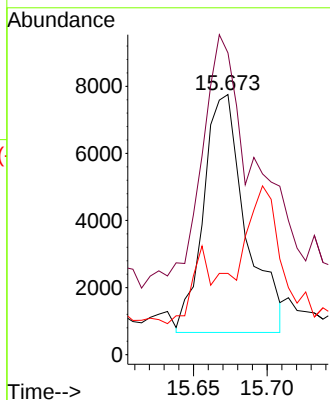
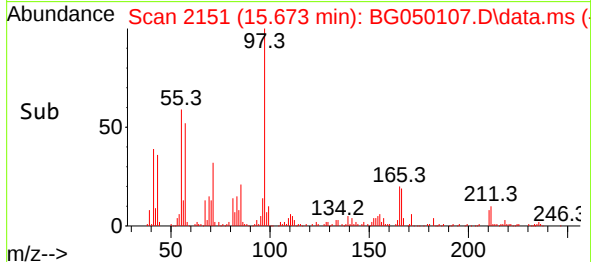
Instrument :
BNA_G
ClientSampleId :
EW7C4



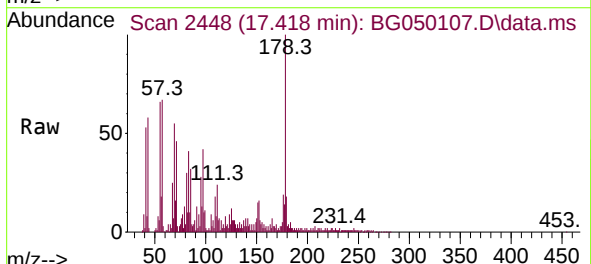
Tgt Ion:166 Resp: 14130
Ion Ratio Lower Upper
166 100
165 116.0 83.3 124.9
167 31.2 11.8 17.6#

Manual Integrations
APPROVED

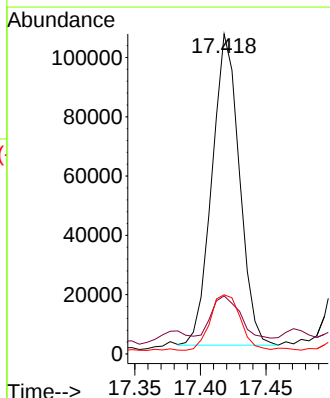
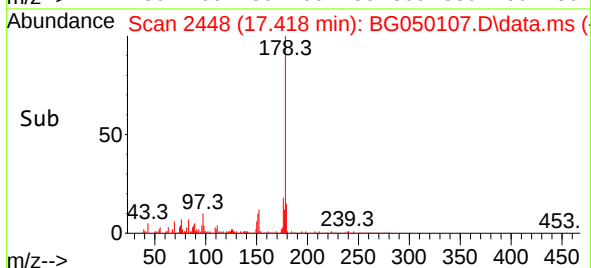
mohammad
9/3/2021 3:31:58 PM

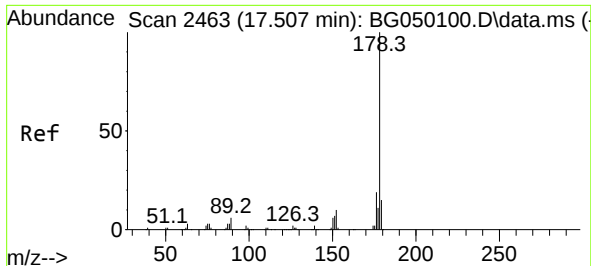


#72
Phenanthrene
Concen: 23.237 ng/ul
RT: 17.418 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

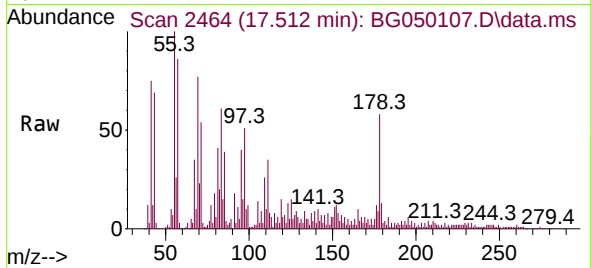


Tgt Ion:178 Resp: 152631
Ion Ratio Lower Upper
178 100
179 18.2 11.7 17.5#
176 18.5 16.2 24.2

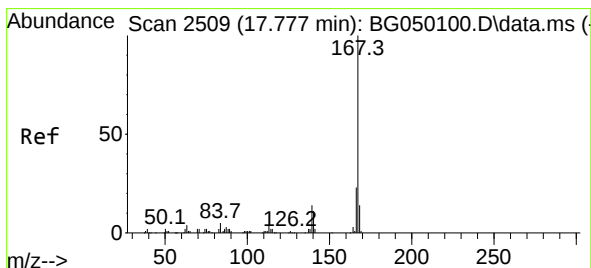
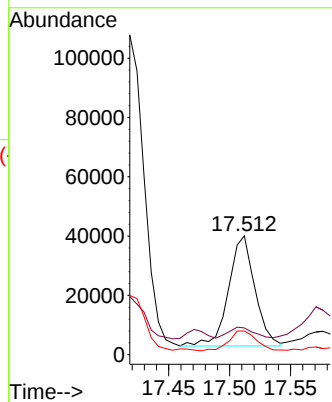
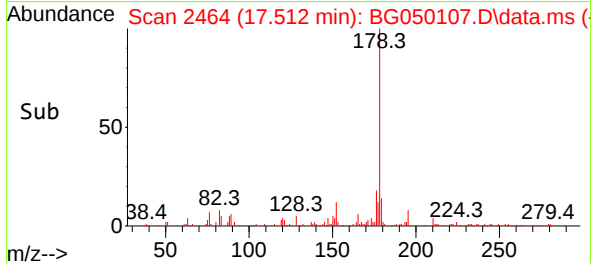




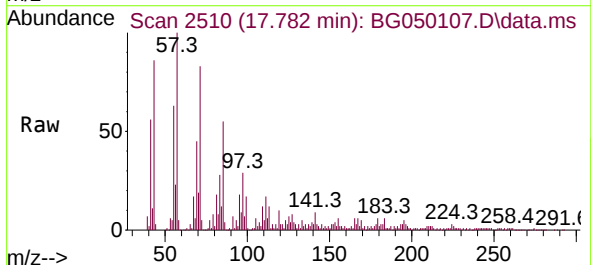
#74
 Anthracene
 Concen: 8.382 ng/ul
 RT: 17.512 min Scan# 2464
 Delta R.T. 0.006 min
 Lab File: BG050107.D
 Acq: 2 Sep 2021 21:53



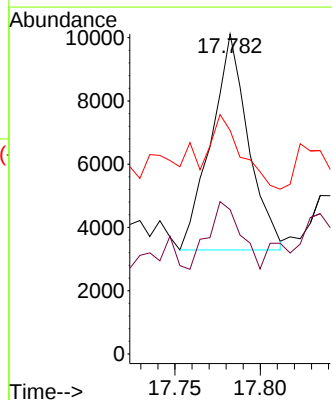
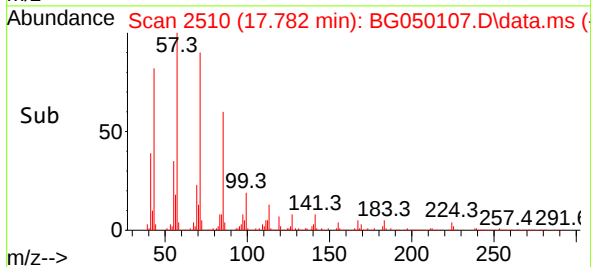
Tgt Ion:178 Resp: 55794
 Ion Ratio Lower Upper
 178 100
 179 22.5 11.4 17.0#
 176 19.9 12.8 19.2#



#77
 Carbazole
 Concen: 1.746 ng/ul
 RT: 17.782 min Scan# 2510
 Delta R.T. -0.000 min
 Lab File: BG050107.D
 Acq: 2 Sep 2021 21:53



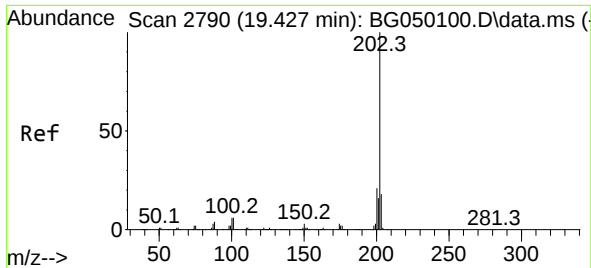
Tgt Ion:167 Resp: 10344
 Ion Ratio Lower Upper
 167 100
 166 45.1 17.8 26.8#
 139 69.8 11.1 16.7#



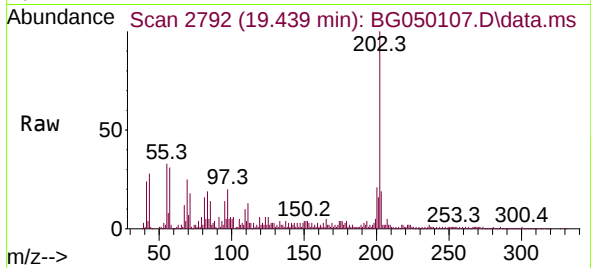
Instrument :
 BNA_G
 ClientSampled :
 EW7C4

Manual Integrations
 APPROVED

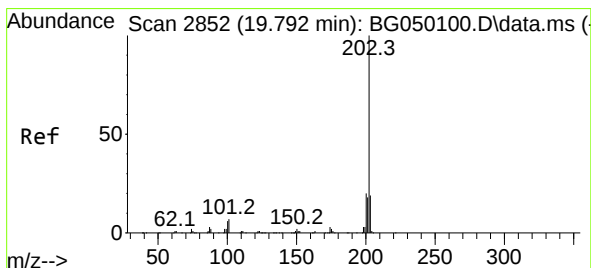
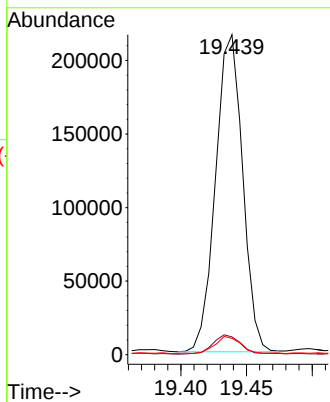
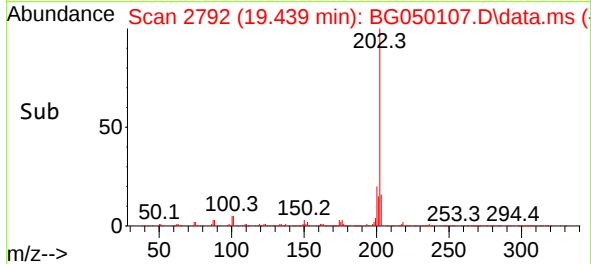
mohammad
 9/3/2021 3:31:58 PM



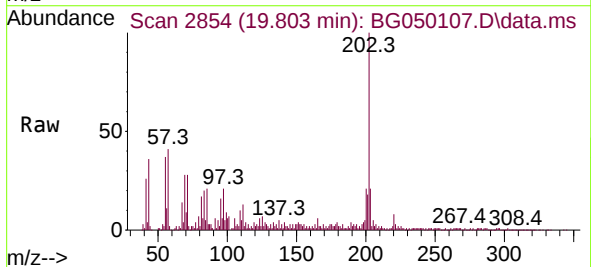
#80
Fluoranthene
Concen: 34.807 ng/u1
RT: 19.439 min Scan# 2792
Delta R.T. 0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53



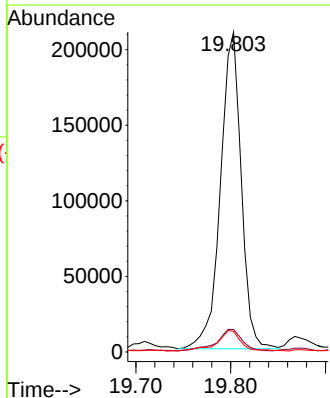
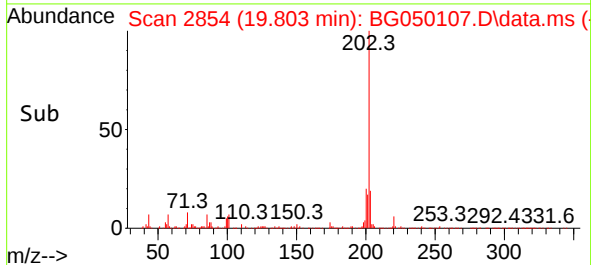
Tgt Ion:202 Resp: 308889
Ion Ratio Lower Upper
202 100
101 5.6 4.3 6.5
100 5.1 3.5 5.3



#82
Pyrene
Concen: 36.340 ng/u1
RT: 19.803 min Scan# 2854
Delta R.T. 0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53



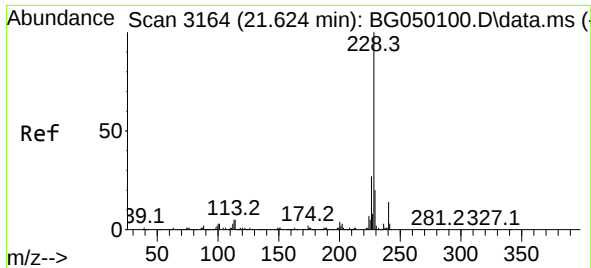
Tgt Ion:202 Resp: 319566
Ion Ratio Lower Upper
202 100
101 7.0 5.4 8.0
100 6.5 5.0 7.6



Instrument :
BNA_G
ClientSampled :
EW7C4

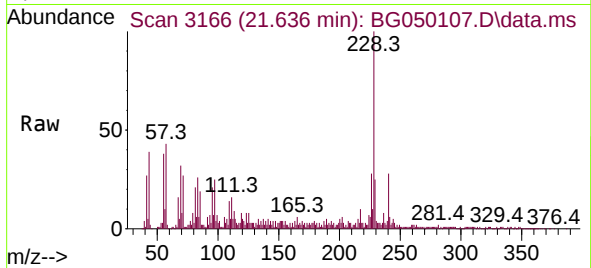
Manual Integrations
APPROVED

mohammad
9/3/2021 3:31:58 PM



#85
Benzo(a)anthracene
Concen: 20.187 ng/ul m
RT: 21.636 min Scan# 3166
Delta R.T. 0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

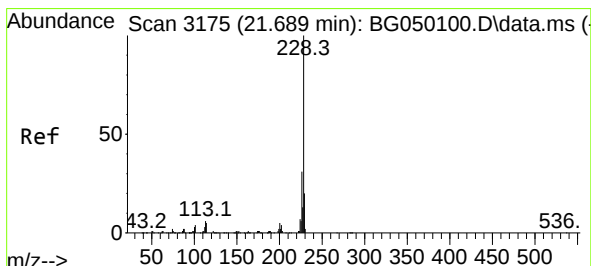
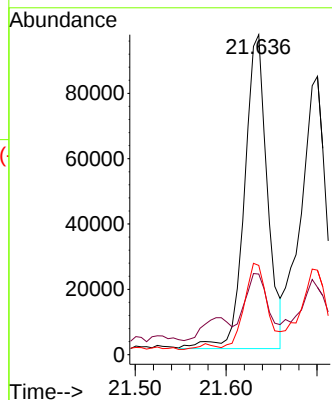
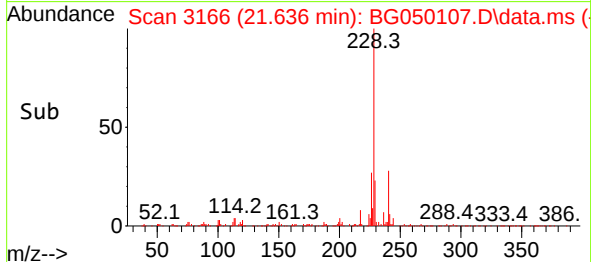
Instrument :
BNA_G
ClientSampled :
EW7C4



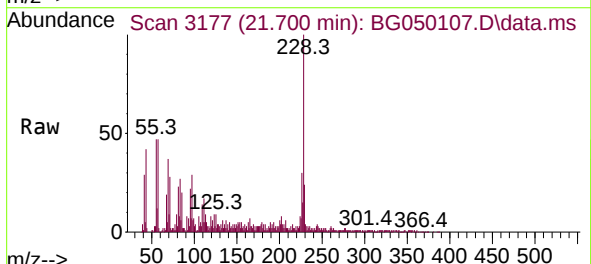
Tgt Ion:228 Resp: 167401
Ion Ratio Lower Upper
228 100
229 25.2 16.2 24.4#
226 27.9 21.0 31.4

Manual Integrations
APPROVED

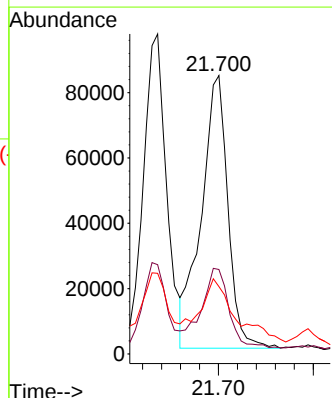
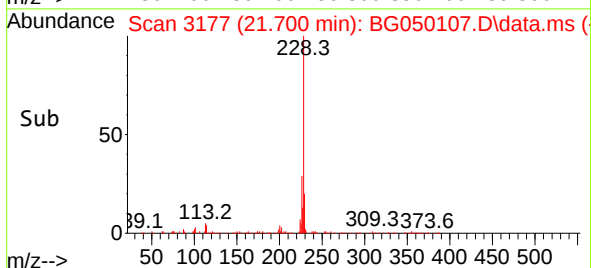
mohammad
9/3/2021 3:31:58 PM

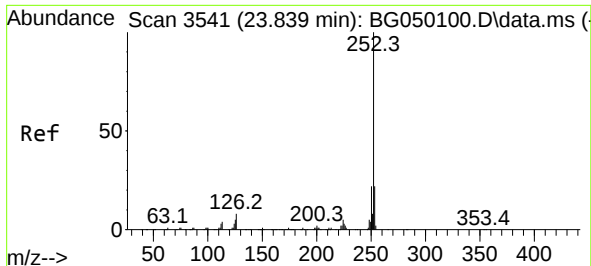


#87
Chrysene
Concen: 20.837 ng/ul
RT: 21.700 min Scan# 3177
Delta R.T. 0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53



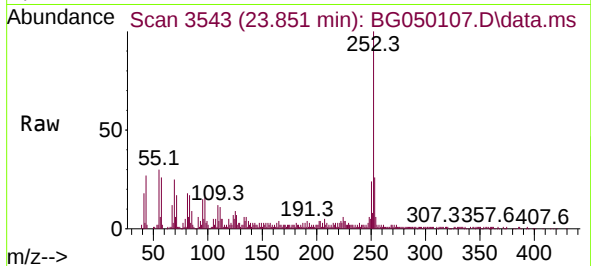
Tgt Ion:228 Resp: 163337
Ion Ratio Lower Upper
228 100
226 30.3 23.0 34.4
229 24.2 17.8 26.6





#90
Benzo(b)fluoranthene
Concen: 18.738 ng/ul
RT: 23.851 min Scan# 3543
Delta R.T. 0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

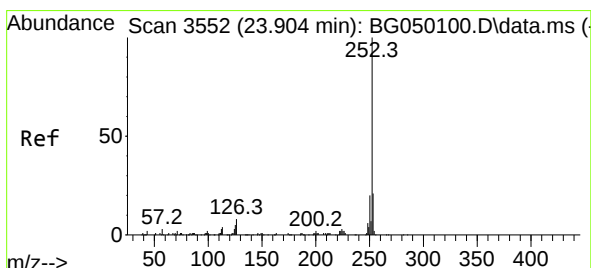
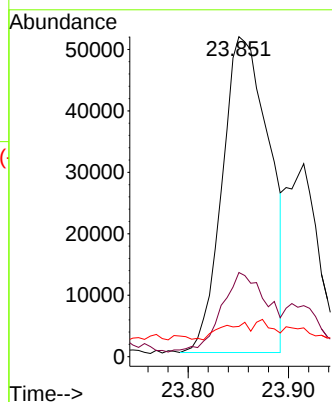
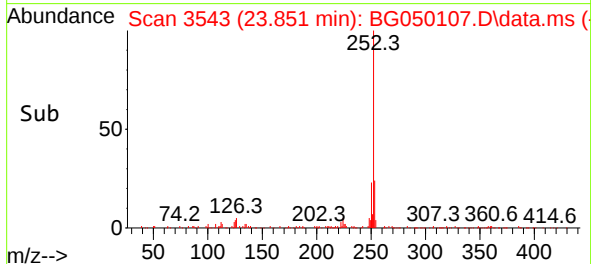
Instrument :
BNA_G
ClientSampled :
EW7C4



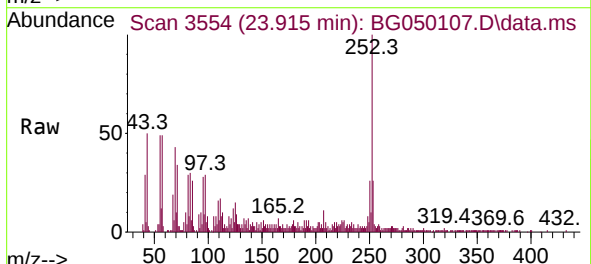
Tgt Ion:252 Resp: 165954
Ion Ratio Lower Upper
252 100
253 26.3 18.1 27.1
125 9.4 3.4 5.0#

Manual Integrations
APPROVED

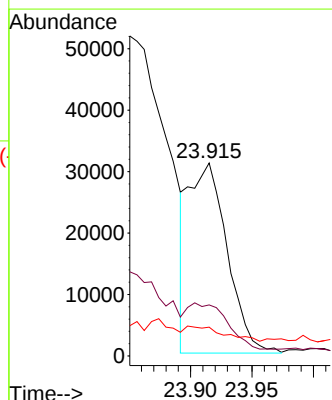
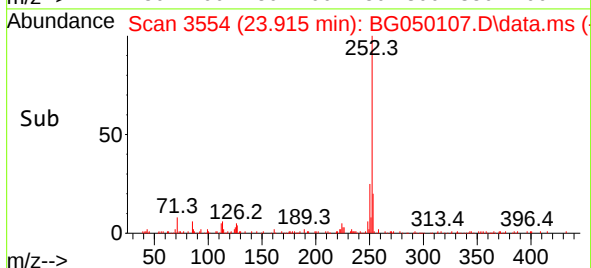
mohammad
9/3/2021 3:31:58 PM

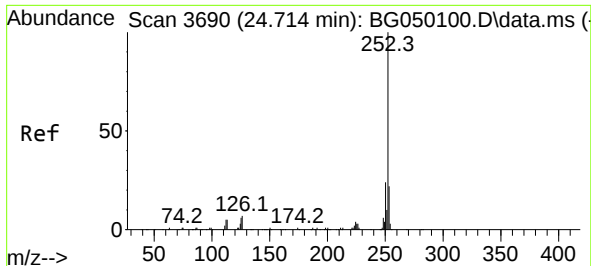


#91
Benzo(k)fluoranthene
Concen: 8.042 ng/ul m
RT: 23.915 min Scan# 3554
Delta R.T. 0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53

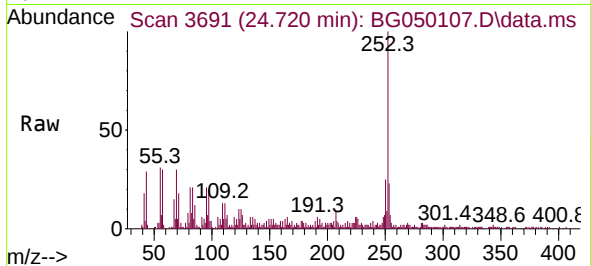


Tgt Ion:252 Resp: 67704
Ion Ratio Lower Upper
252 100
253 26.5 17.7 26.5
125 15.0 4.1 6.1#

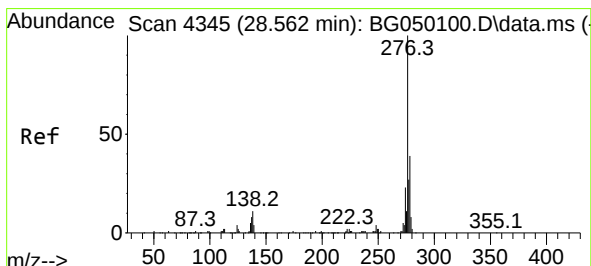
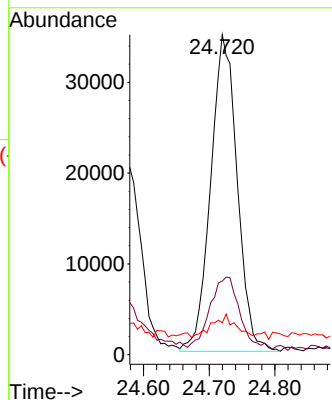
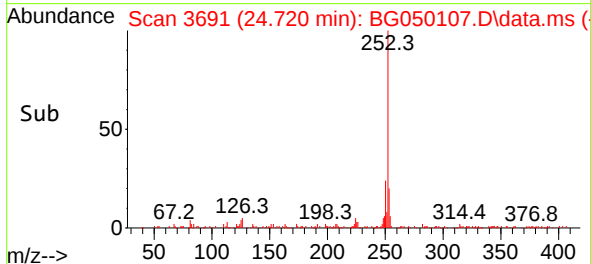




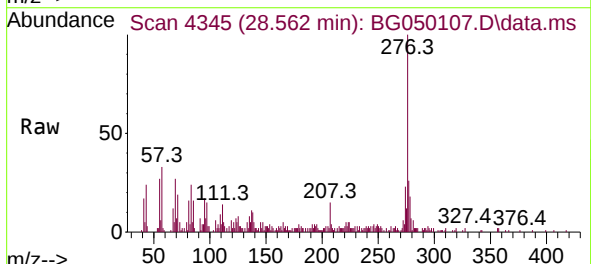
#93
Benzo(a)pyrene
Concen: 12.713 ng/ul
RT: 24.720 min Scan# 3691
Delta R.T. -0.000 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53



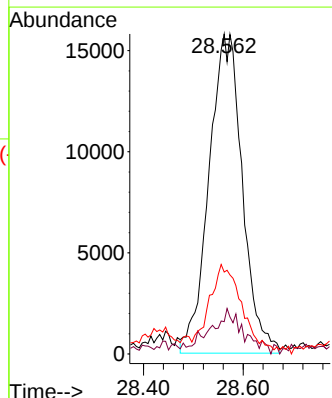
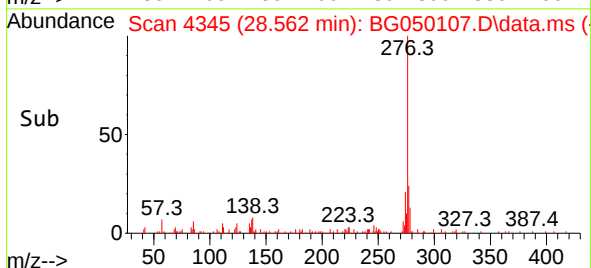
Tgt Ion:252 Resp: 97786
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 10.0 4.4 6.6#



#94
Indeno(1,2,3-cd)pyrene
Concen: 7.234 ng/ul m
RT: 28.562 min Scan# 4345
Delta R.T. -0.006 min
Lab File: BG050107.D
Acq: 2 Sep 2021 21:53



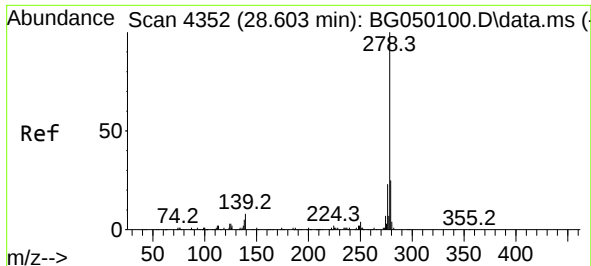
Tgt Ion:276 Resp: 73398
Ion Ratio Lower Upper
276 100
138 10.1 5.5 8.3#
277 25.6 18.6 27.8



Instrument :
BNA_G
ClientSampleId :
EW7C4

Manual Integrations
APPROVED

mohammad
9/3/2021 3:31:58 PM



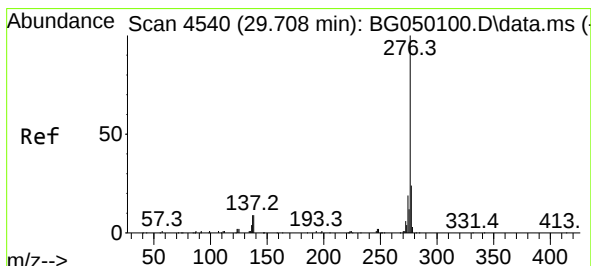
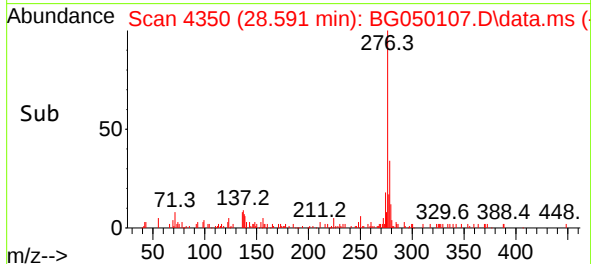
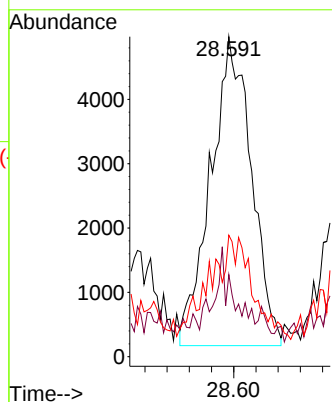
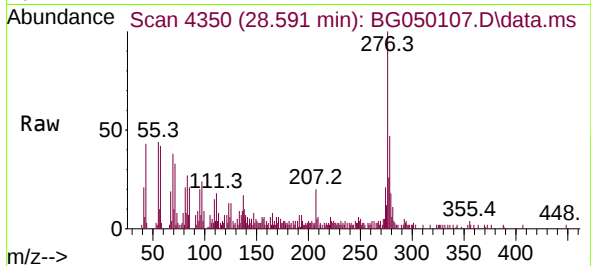
#95
 Dibenzo(a,h)anthracene
 Concen: 2.871 ng/ul m
 RT: 28.591 min Scan# 4350
 Delta R.T. -0.012 min
 Lab File: BG050107.D
 Acq: 2 Sep 2021 21:53

Instrument :
 BNA_G
 ClientSampled :
 EW7C4

Tgt Ion:278 Resp: 24382
 Ion Ratio Lower Upper
 278 100
 139 14.5 5.2 7.8#
 279 38.0 19.0 28.4#

Manual Integrations
 APPROVED

mohammad
 9/3/2021 3:31:58 PM



#96
 Benzo(g,h,i)perylene
 Concen: 1.036 ng/ul m
 RT: 29.707 min Scan# 4540
 Delta R.T. -0.006 min
 Lab File: BG050107.D
 Acq: 2 Sep 2021 21:53

Tgt Ion:276 Resp: 8841
 Ion Ratio Lower Upper
 276 100
 138 24.8 8.6 13.0#
 277 29.0 17.4 26.0#

