

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030521\
 Data File : BG048347.D
 Acq On : 5 Mar 2021 21:08
 Operator : CG/JU
 Sample : M1565-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

mohammad
 3/8/2021 9:34:41 AM

Quant Time: Mar 06 01:02:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG021021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 05 16:23:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.068	152	29883	20.00	ng	0.00
21) Naphthalene-d8	10.882	136	130046	20.00	ng	# 0.00
39) Acenaphthene-d10	14.701	164	99086	20.00	ng	0.00
64) Phenanthrene-d10	17.451	188	228978	20.00	ng	# 0.00
76) Chrysene-d12	21.722	240	237168	20.00	ng	# 0.00
86) Perylene-d12	24.977	264	238152	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.653	112	177101	100.88	ng	0.00
7) Phenol-d6	7.281	99	259734	97.38	ng	0.00
23) Nitrobenzene-d5	9.243	82	209314	68.08	ng	0.00
42) 2,4,6-Tribromophenol	16.200	330	112080	70.72	ng	0.00
45) 2-Fluorobiphenyl	13.326	172	376194	53.23	ng	0.00
79) Terphenyl-d14	20.048	244	483970	37.29	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.304	94	10485	3.89	ng	# 17
50) Dimethylphthalate	14.149	163	28047	3.39	ng	98
52) Acenaphthene	14.766	154	24539	3.88	ng	85
55) Dibenzofuran	15.101	168	25754	2.60	ng	92
58) Fluorene	15.747	166	46973	5.99	ng	96
71) Phenanthrene	17.492	178	499367	40.16	ng	97
72) Anthracene	17.580	178	157259	12.74	ng	95
73) Carbazole	17.862	167	24213	2.07	ng	93
75) Fluoranthene	19.496	202	776994	48.00	ng	96
78) Pyrene	19.860	202	618424	37.34	ng	98
81) Benzo(a)anthracene	21.699	228	370171	22.37	ng	97
83) Chrysene	21.769	228	303908	19.23	ng	97
87) Indeno(1,2,3-cd)pyrene	28.697	276	181203	10.04	ng	# 89
88) Benzo(b)fluoranthene	23.949	252	368773m	22.40	ng	
89) Benzo(k)fluoranthene	24.008	252	152776m	9.73	ng	
90) Benzo(a)pyrene	24.831	252	295906m	19.38	ng	
91) Dibenzo(a,h)anthracene	28.732	278	49451	3.21	ng	# 86
92) Benzo(g,h,i)perylene	29.866	276	159171	10.64	ng	# 90

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

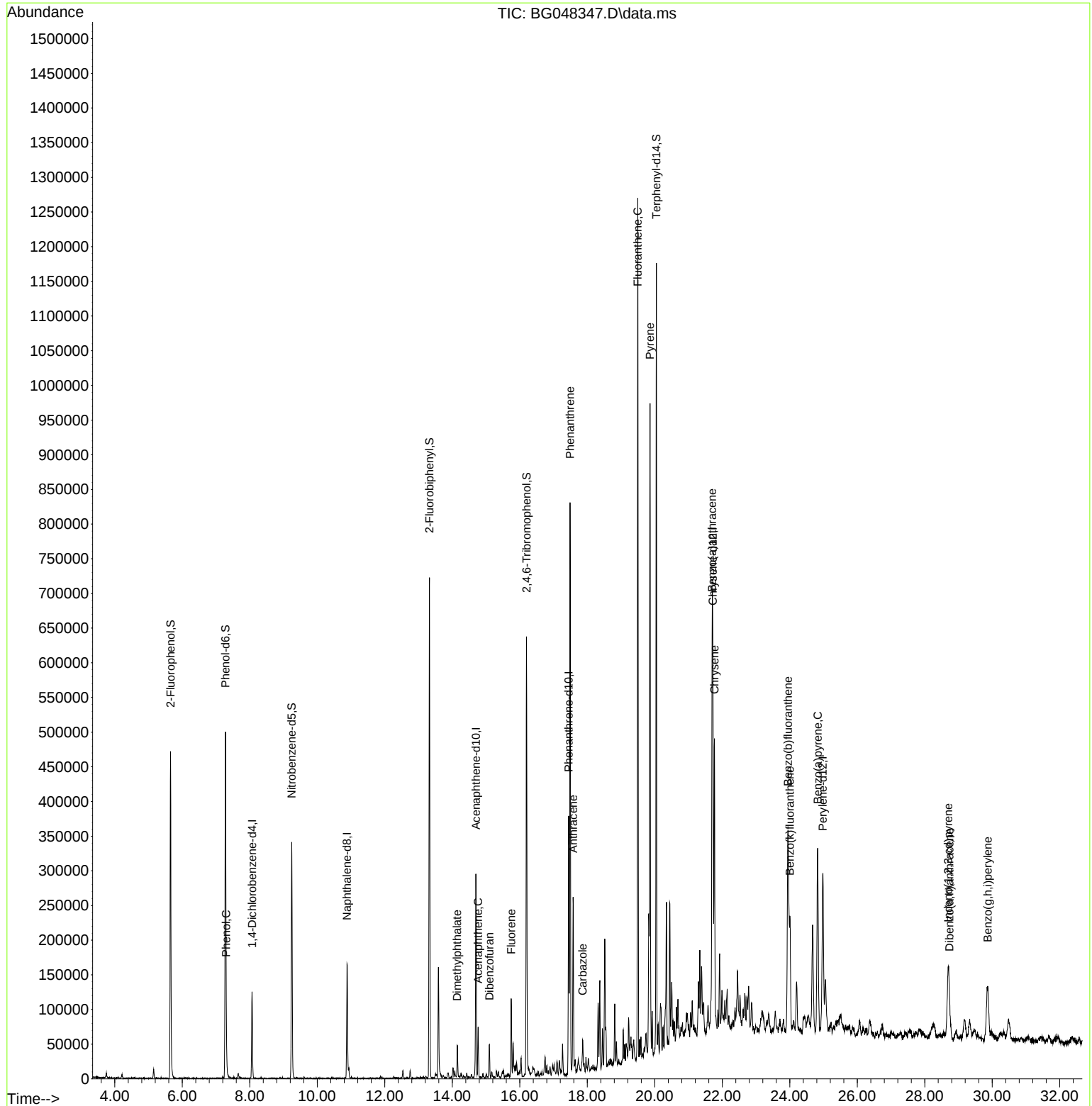
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030521\
Data File : BG048347.D
Acq On : 5 Mar 2021 21:08
Operator : CG/JU
Sample : M1565-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

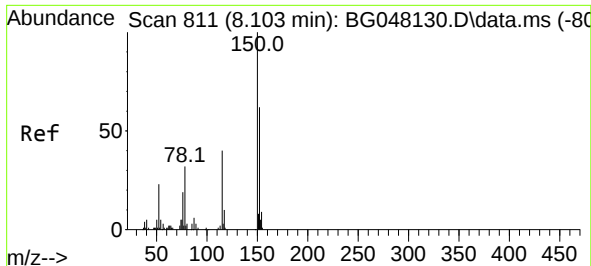
Instrument :
BNA_G
ClientSampled :
TP-1

Manual Integrations
APPROVED

mohammad
3/8/2021 9:34:41 AM

Quant Time: Mar 06 01:02:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG021021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 05 16:23:55 2021
Response via : Initial Calibration





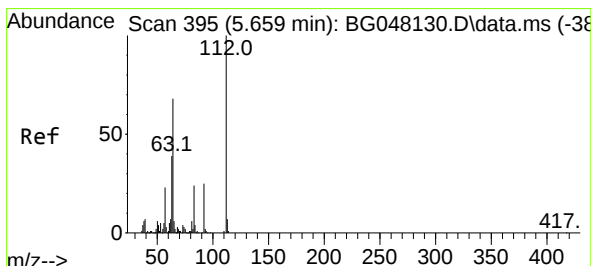
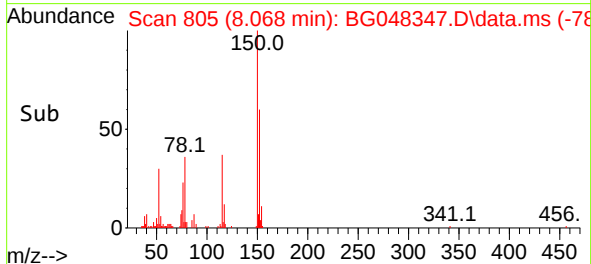
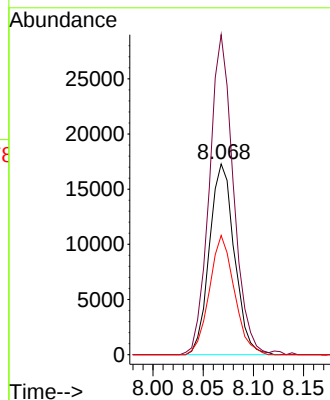
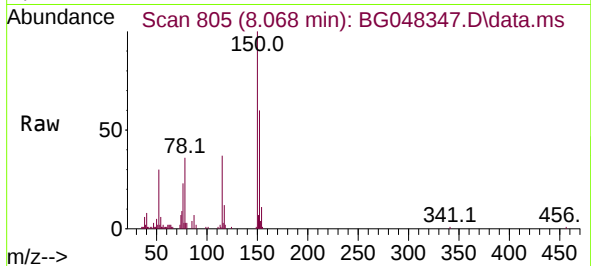
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.068 min Scan# 805
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

Tgt Ion:152 Resp: 29883
Ion Ratio Lower Upper
152 100
150 167.7 125.0 187.6
115 62.5 41.8 62.6

Instrument :
BNA_G
ClientSampled :
TP-1

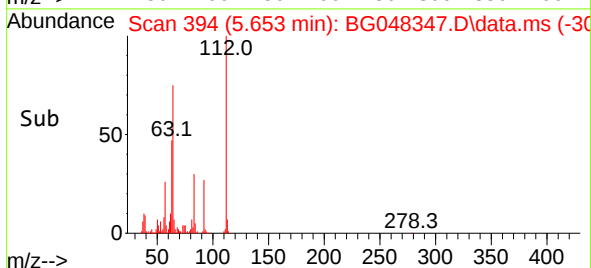
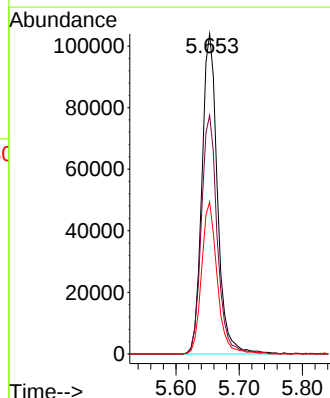
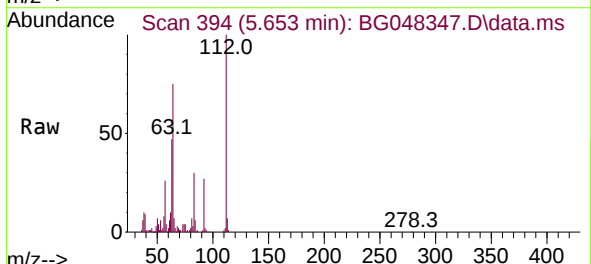
Manual Integrations
APPROVED

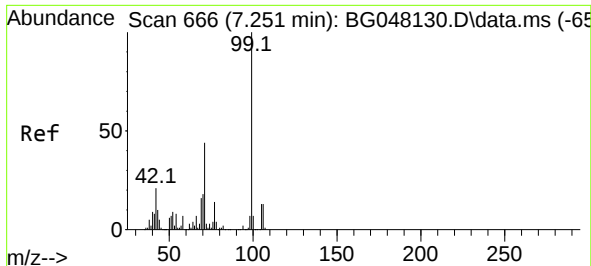
mohammad
3/8/2021 9:34:41 AM



#5
2-Fluorophenol
Concen: 100.88 ng
RT: 5.653 min Scan# 394
Delta R.T. -0.000 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

Tgt Ion:112 Resp: 177101
Ion Ratio Lower Upper
112 100
64 74.6 46.7 70.1#
63 47.4 22.8 34.2#





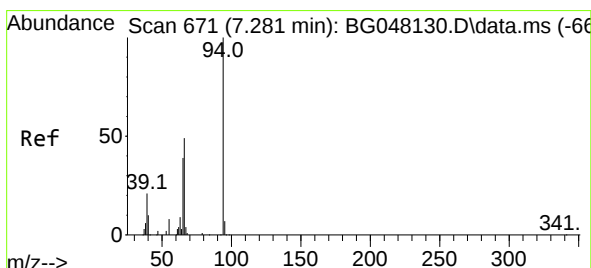
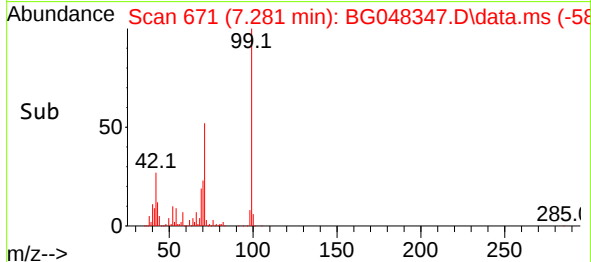
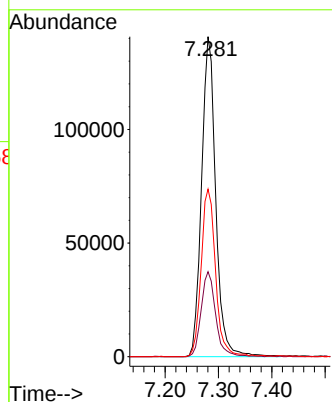
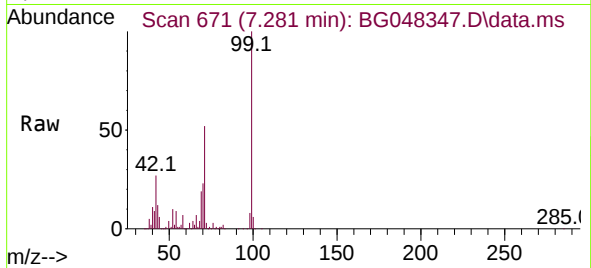
#7
Phenol-d6
Concen: 97.38 ng
RT: 7.281 min Scan# 671
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

Tgt Ion: 99 Resp: 259734
Ion Ratio Lower Upper
99 100
42 26.5 12.8 19.2#
71 52.3 24.6 36.8#

Instrument :
BNA_G
ClientSampled :
TP-1

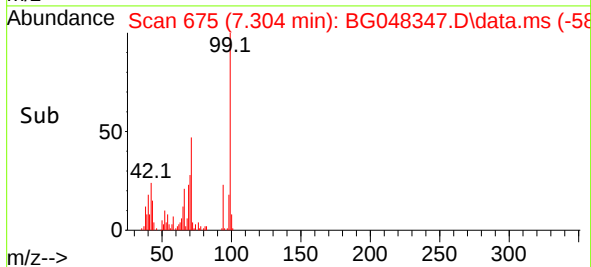
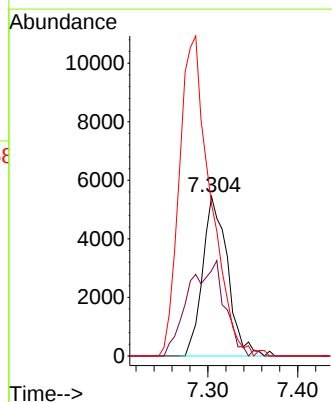
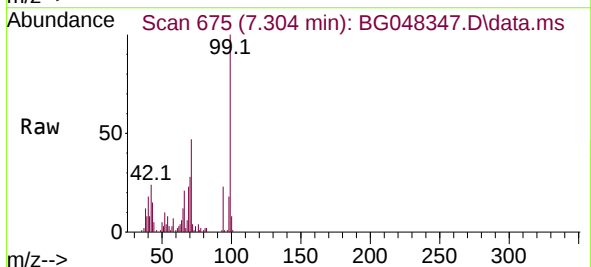
Manual Integrations
APPROVED

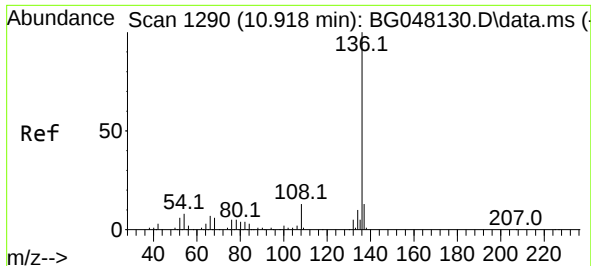
mohammad
3/8/2021 9:34:41 AM



#10
Phenol
Concen: 3.89 ng
RT: 7.304 min Scan# 675
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

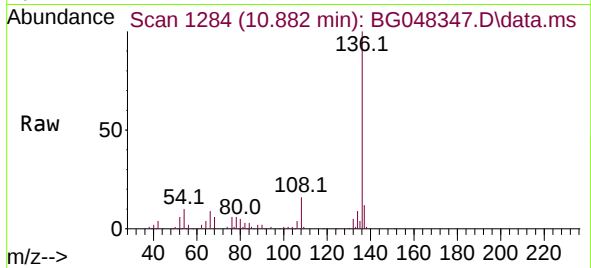
Tgt Ion: 94 Resp: 10485
Ion Ratio Lower Upper
94 100
65 53.5 6.6 46.6#
66 95.1 13.9 53.9#





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.882 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

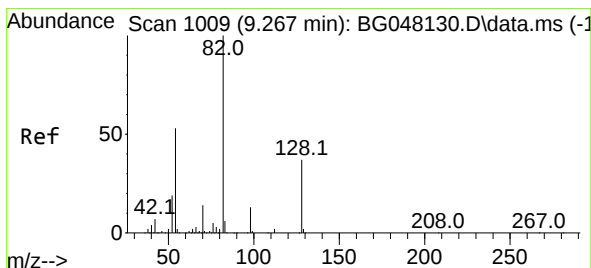
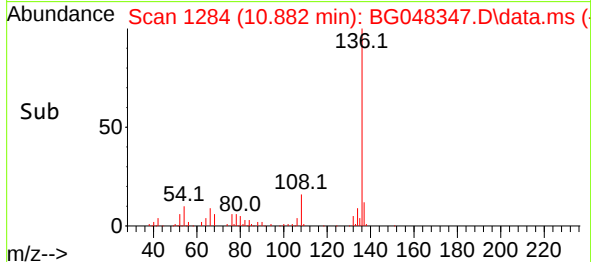
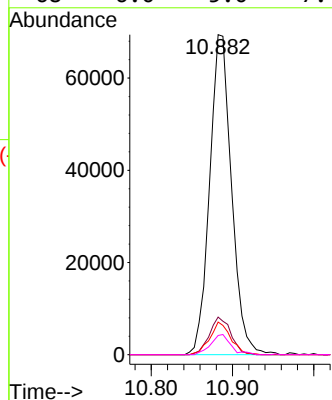
Instrument :
BNA_G
ClientSampled :
TP-1



Tgt Ion:	136	Resp:	130046
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.1	13.7
54	10.2	6.2	9.4#
68	6.0	5.0	7.4

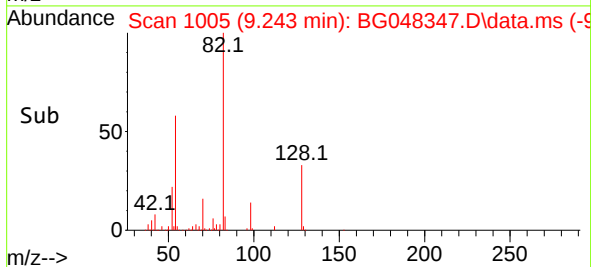
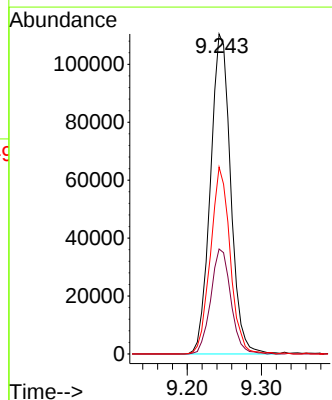
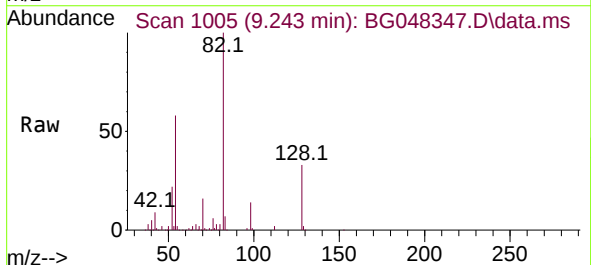
Manual Integrations
APPROVED

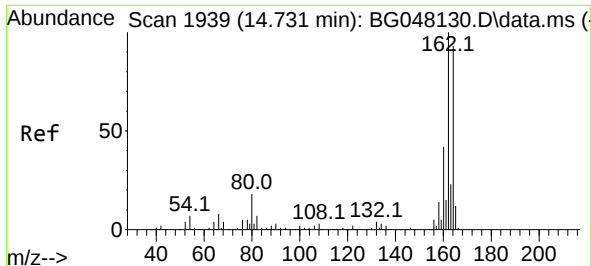
mohammad
3/8/2021 9:34:41 AM



#23
Nitrobenzene-d5
Concen: 68.08 ng
RT: 9.243 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

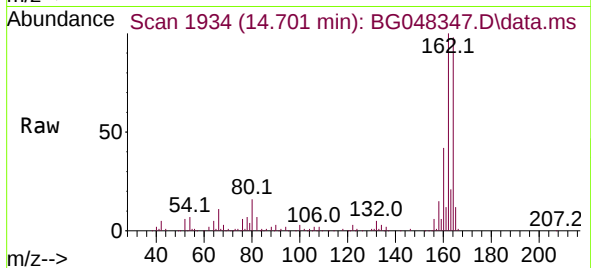
Tgt Ion:	82	Resp:	209314
Ion Ratio	Lower	Upper	
82	100		
128	32.8	37.0	55.6#
54	58.4	39.0	58.4





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.701 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

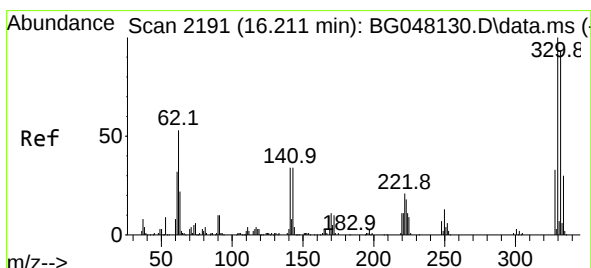
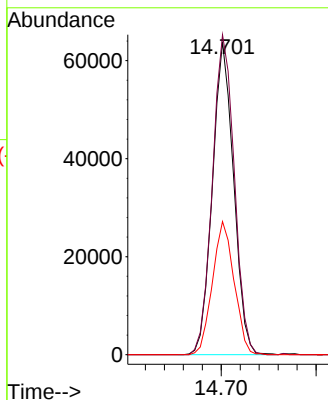
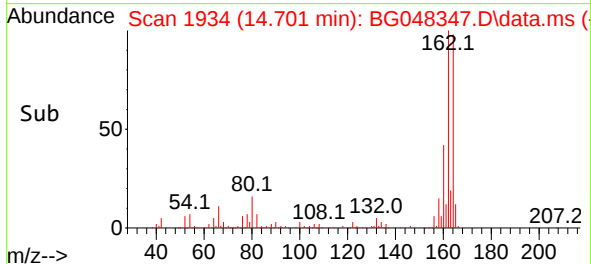
Instrument :
BNA_G
ClientSampled :
TP-1



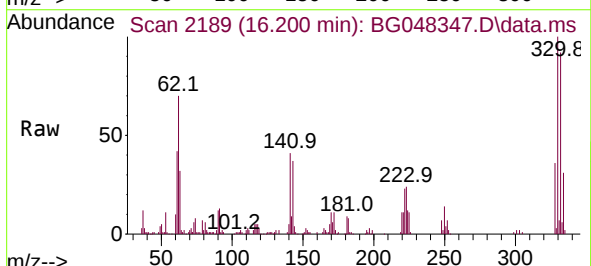
Tgt Ion:164 Resp: 99086
Ion Ratio Lower Upper
164 100
162 102.2 82.3 123.5
160 42.5 35.3 52.9

Manual Integrations
APPROVED

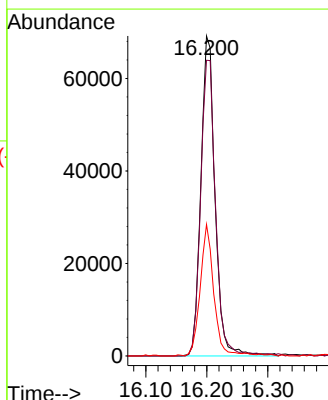
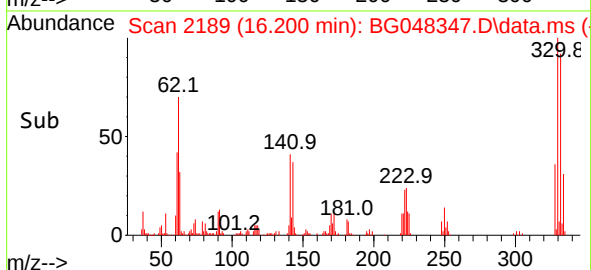
mohammad
3/8/2021 9:34:41 AM

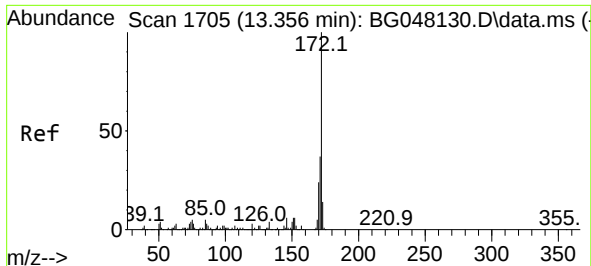


#42
2,4,6-Tribromophenol
Concen: 70.72 ng
RT: 16.200 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

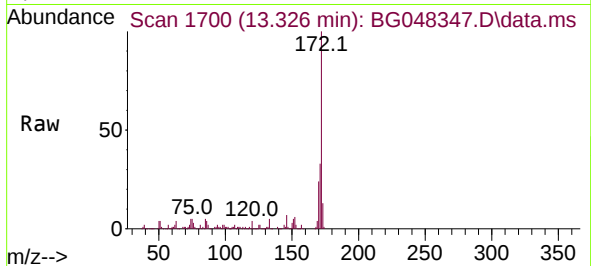


Tgt Ion:330 Resp: 112080
Ion Ratio Lower Upper
330 100
332 96.8 76.5 114.7
141 39.5 26.0 39.0#

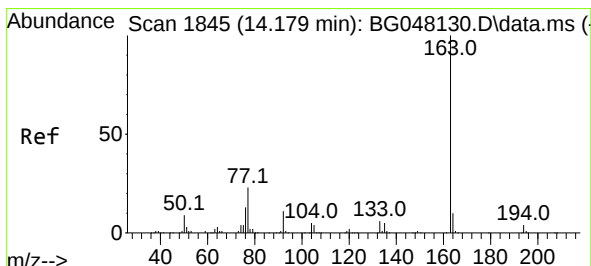
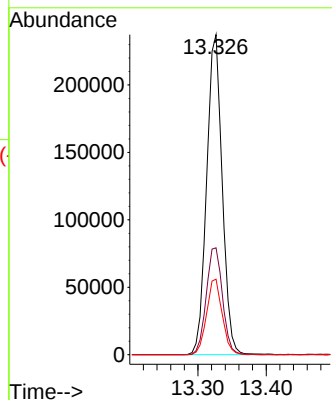
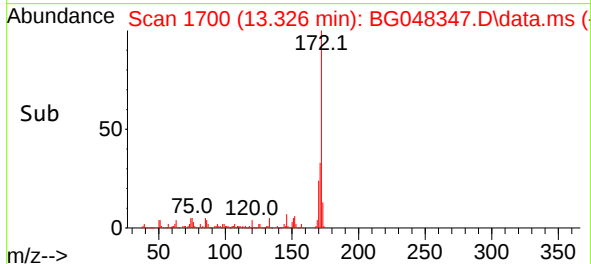




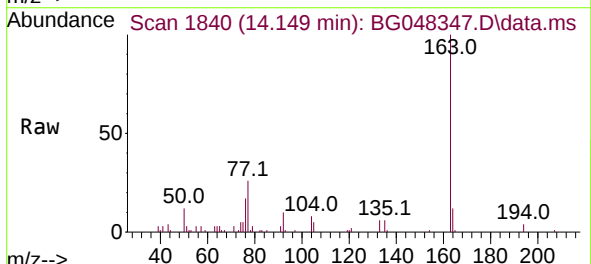
#45
2-Fluorobiphenyl
Concen: 53.23 ng
RT: 13.326 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08



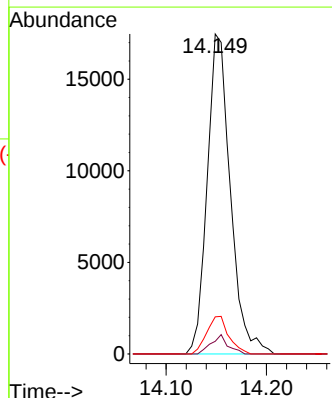
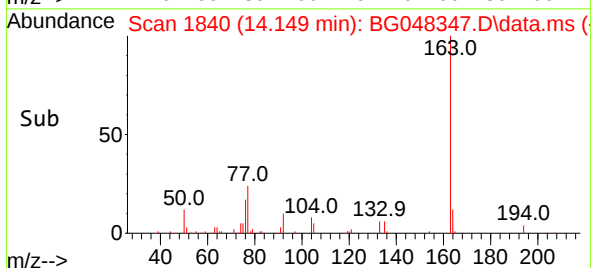
Tgt Ion:172 Resp: 376194
Ion Ratio Lower Upper
172 100
171 33.4 31.3 46.9
170 23.6 20.8 31.2



#50
Dimethylphthalate
Concen: 3.39 ng
RT: 14.149 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08



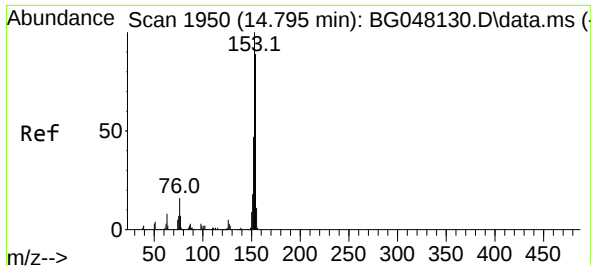
Tgt Ion:163 Resp: 28047
Ion Ratio Lower Upper
163 100
194 3.9 3.8 5.8
164 11.6 8.8 13.2



Instrument :
BNA_G
ClientSampled :
TP-1

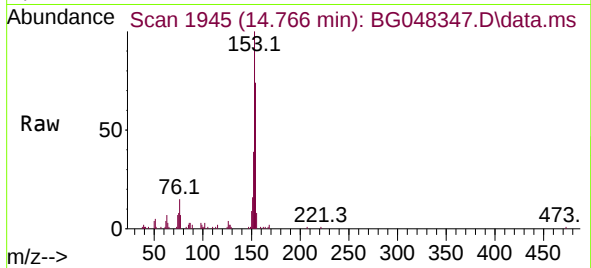
Manual Integrations
APPROVED

mohammad
3/8/2021 9:34:41 AM



#52
Acenaphthene
Concen: 3.88 ng
RT: 14.766 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

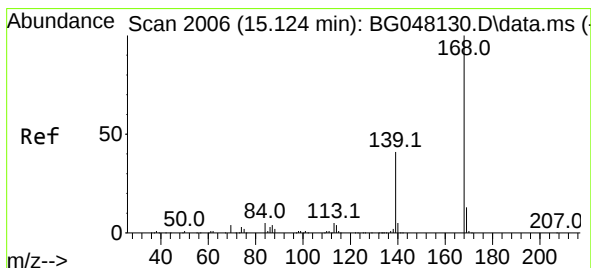
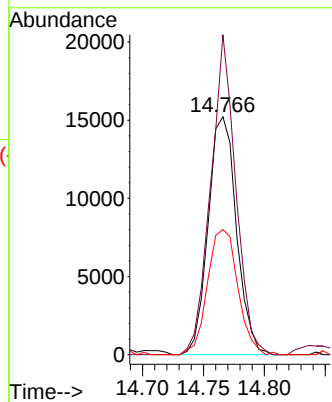
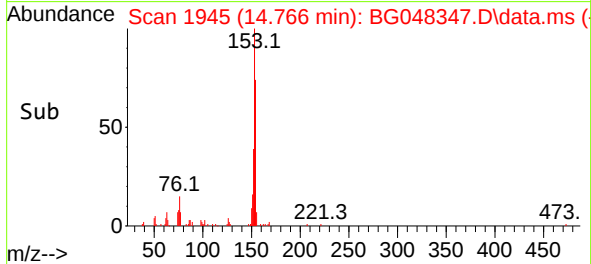
Instrument :
BNA_G
ClientSampled :
TP-1



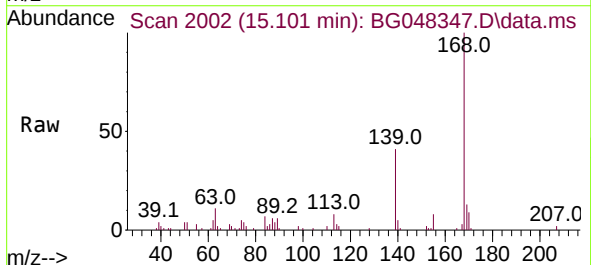
Tgt Ion	Ratio	Lower	Upper
154	100		
153	134.5	90.3	135.5
152	52.6	43.8	65.8

Manual Integrations
APPROVED

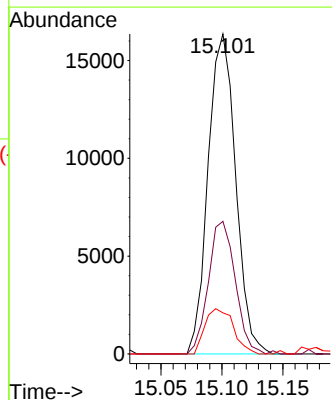
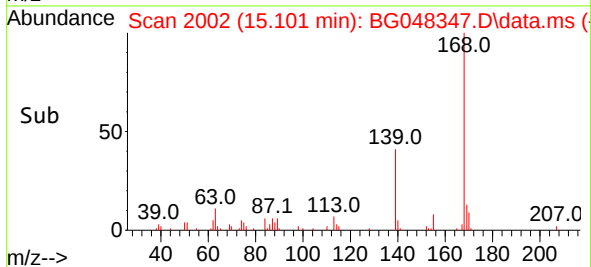
mohammad
3/8/2021 9:34:41 AM

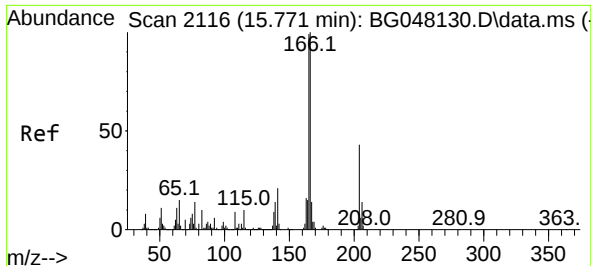


#55
Dibenzofuran
Concen: 2.60 ng
RT: 15.101 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08



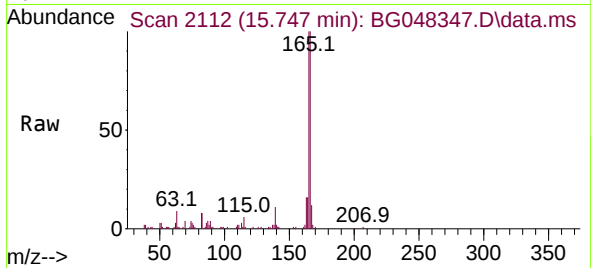
Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.5	28.6	43.0
169	12.8	11.0	16.6





#58
Fluorene
Concen: 5.99 ng
RT: 15.747 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

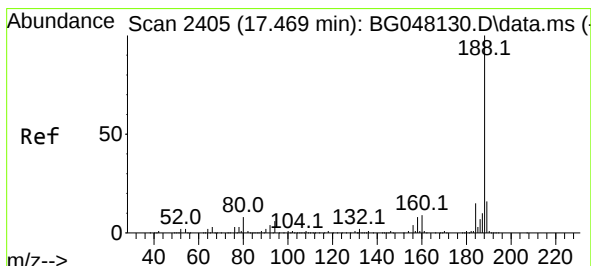
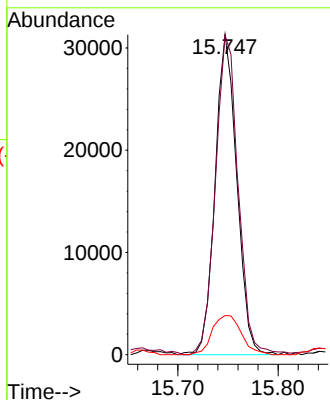
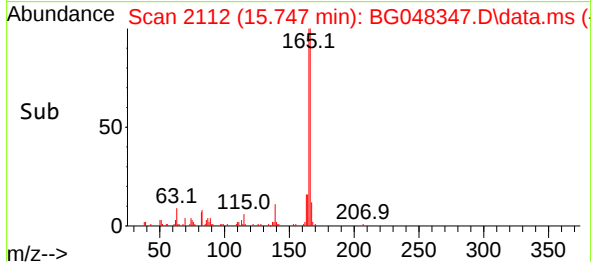
Instrument :
BNA_G
ClientSampled :
TP-1



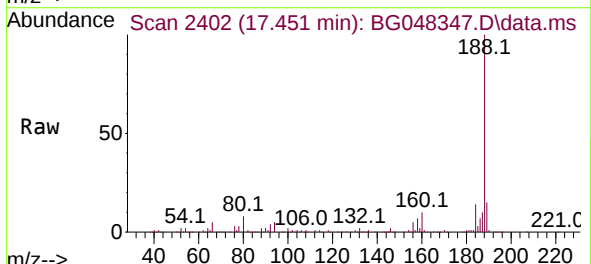
Tgt Ion:166 Resp: 46973
Ion Ratio Lower Upper
166 100
165 99.8 77.2 115.8
167 12.3 11.4 17.2

Manual Integrations
APPROVED

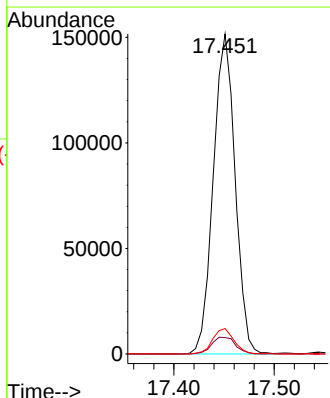
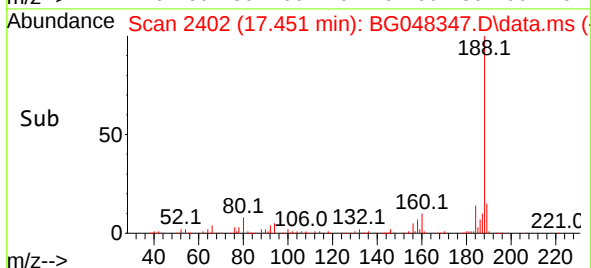
mohammad
3/8/2021 9:34:41 AM

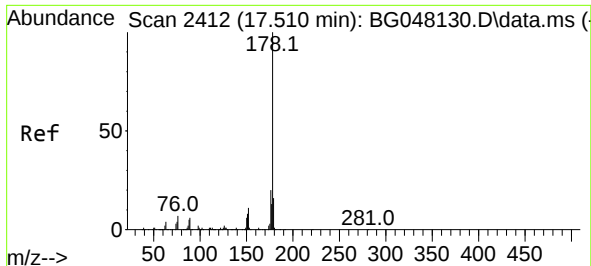


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.451 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08



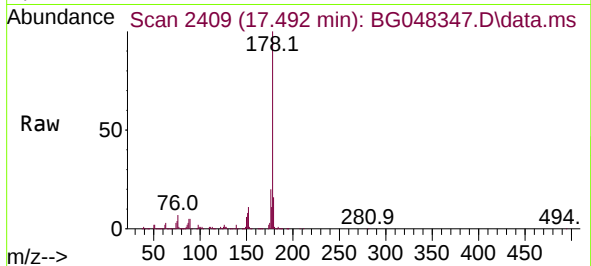
Tgt Ion:188 Resp: 228978
Ion Ratio Lower Upper
188 100
94 5.1 6.3 9.5#
80 8.0 7.0 10.6





#71
Phenanthrene
Concen: 40.16 ng
RT: 17.492 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

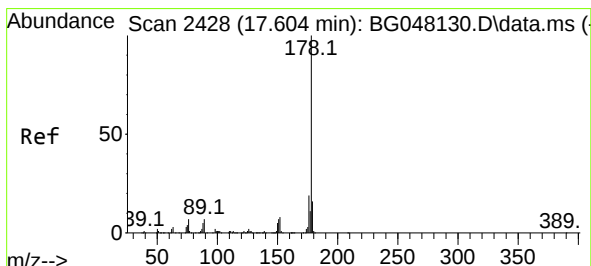
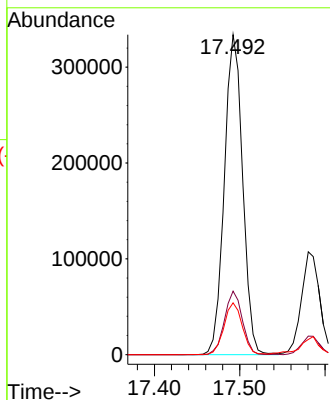
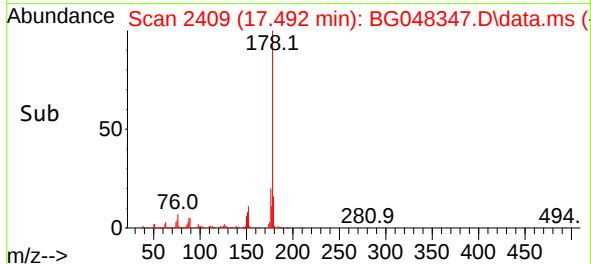
Instrument :
BNA_G
ClientSampled :
TP-1



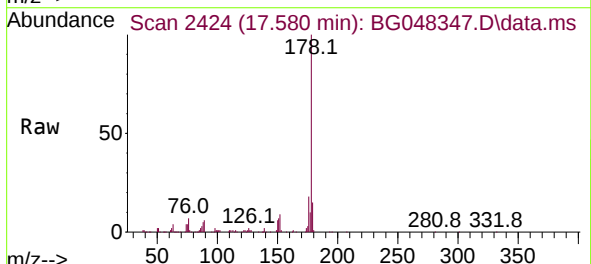
Tgt Ion:178 Resp: 499367
Ion Ratio Lower Upper
178 100
176 19.8 16.7 25.1
179 16.2 14.0 21.0

Manual Integrations
APPROVED

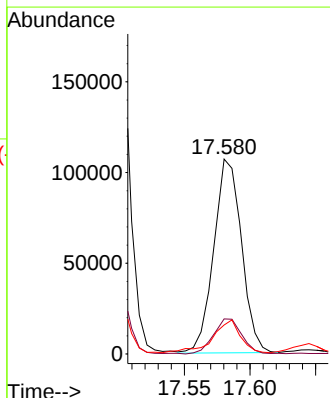
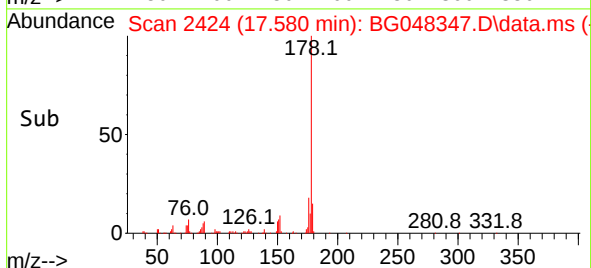
mohammad
3/8/2021 9:34:41 AM

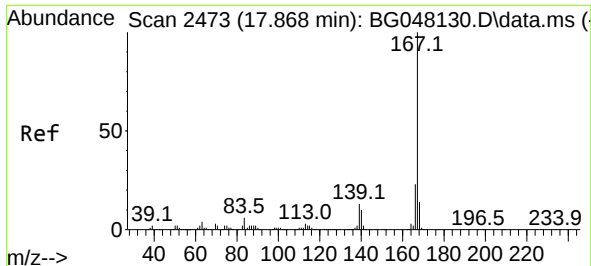


#72
Anthracene
Concen: 12.74 ng
RT: 17.580 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08



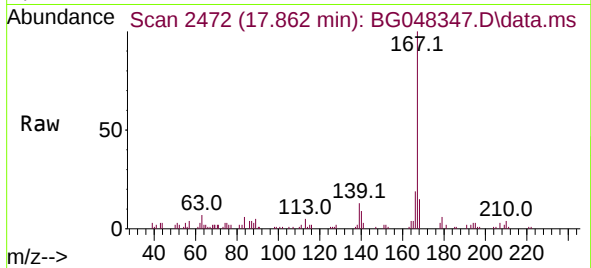
Tgt Ion:178 Resp: 157259
Ion Ratio Lower Upper
178 100
176 18.0 16.4 24.6
179 14.8 13.8 20.6





#73
 Carbazole
 Concen: 2.07 ng
 RT: 17.862 min Scan# 2472
 Delta R.T. -0.012 min
 Lab File: BG048347.D
 Acq: 5 Mar 2021 21:08

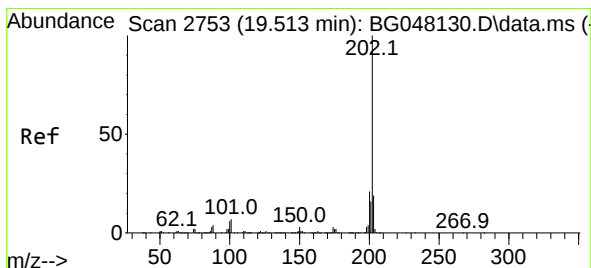
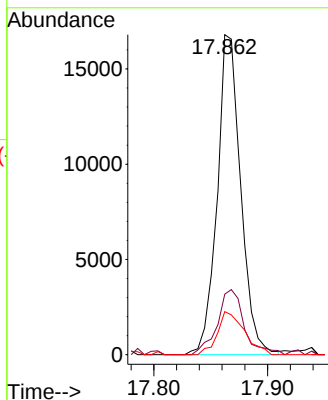
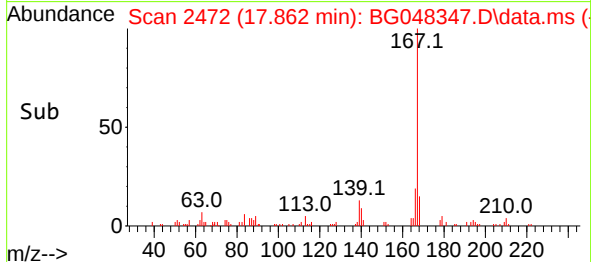
Instrument :
 BNA_G
 ClientSampleId :
 TP-1



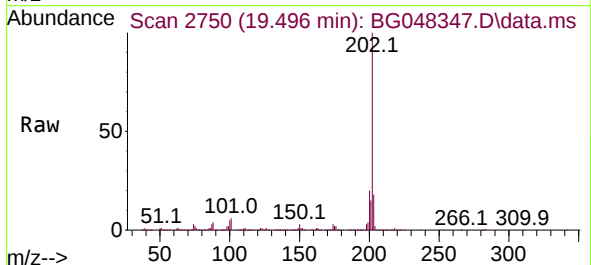
Tgt Ion:167 Resp: 24213
 Ion Ratio Lower Upper
 167 100
 166 18.9 18.7 28.1
 139 13.4 9.6 14.4

Manual Integrations
 APPROVED

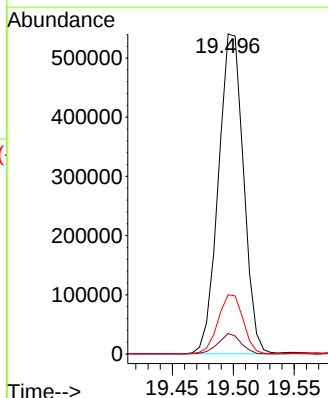
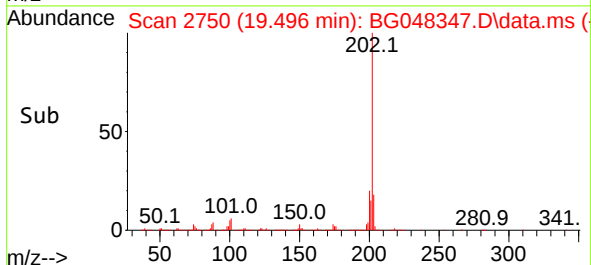
mohammad
 3/8/2021 9:34:41 AM

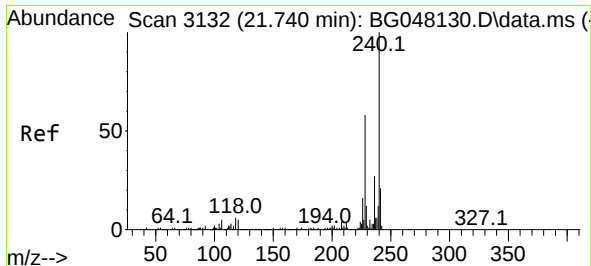


#75
 Fluoranthene
 Concen: 48.00 ng
 RT: 19.496 min Scan# 2750
 Delta R.T. -0.006 min
 Lab File: BG048347.D
 Acq: 5 Mar 2021 21:08



Tgt Ion:202 Resp: 776994
 Ion Ratio Lower Upper
 202 100
 101 6.4 0.0 29.7
 203 18.5 0.0 39.2





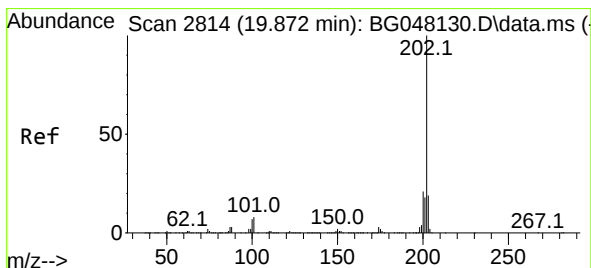
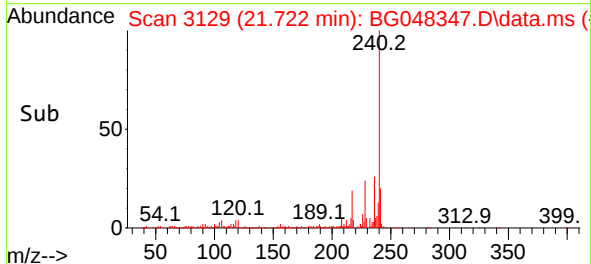
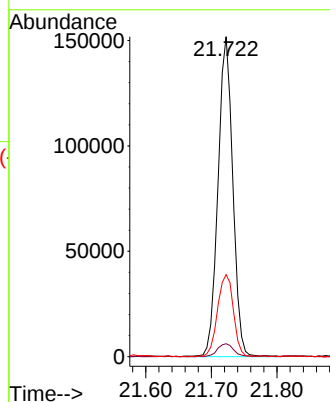
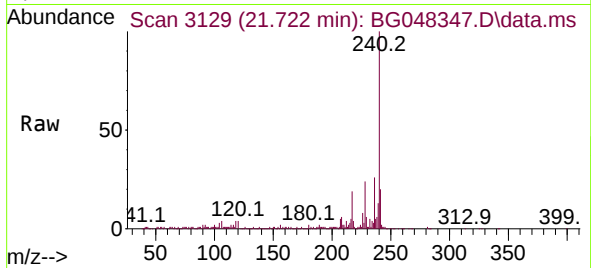
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.722 min Scan# 3129
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

Tgt Ion:240 Resp: 237168
Ion Ratio Lower Upper
240 100
120 4.0 6.2 9.4#
236 25.7 20.5 30.7

Instrument :
BNA_G
ClientSampled :
TP-1

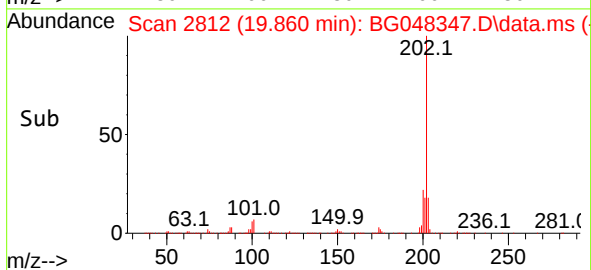
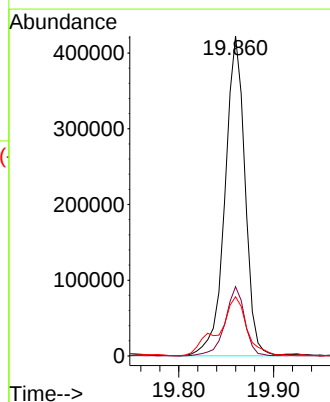
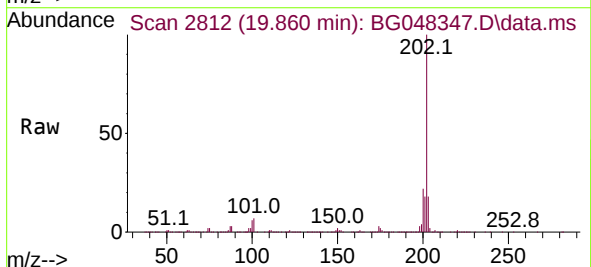
Manual Integrations
APPROVED

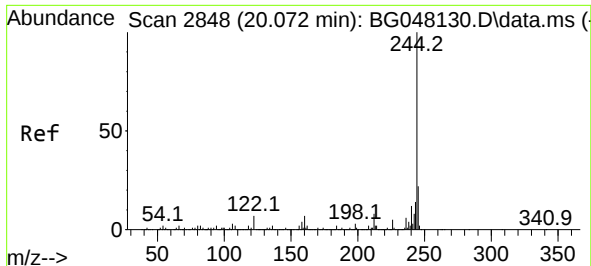
mohammad
3/8/2021 9:34:41 AM



#78
Pyrene
Concen: 37.34 ng
RT: 19.860 min Scan# 2812
Delta R.T. -0.000 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

Tgt Ion:202 Resp: 618424
Ion Ratio Lower Upper
202 100
200 21.7 18.6 27.8
203 18.5 15.3 22.9





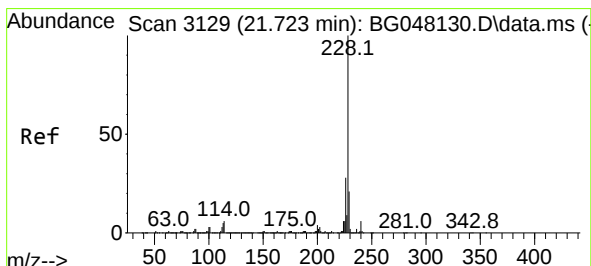
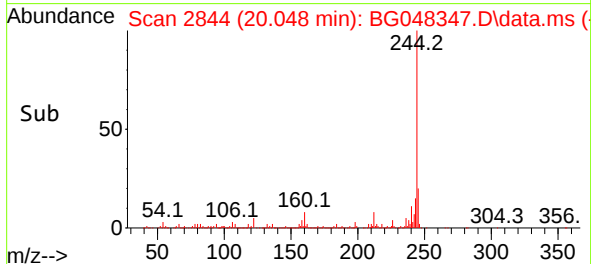
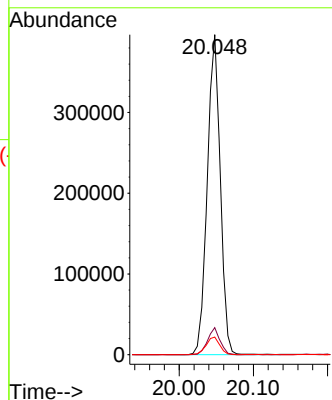
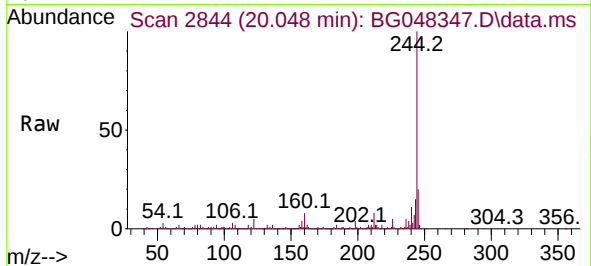
#79
 Terphenyl-d14
 Concen: 37.29 ng
 RT: 20.048 min Scan# 2844
 Delta R.T. -0.006 min
 Lab File: BG048347.D
 Acq: 5 Mar 2021 21:08

Tgt Ion:244 Resp: 483970
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.7 10.1
 122 5.5 7.8 11.6#

Instrument :
 BNA_G
 ClientSampled :
 TP-1

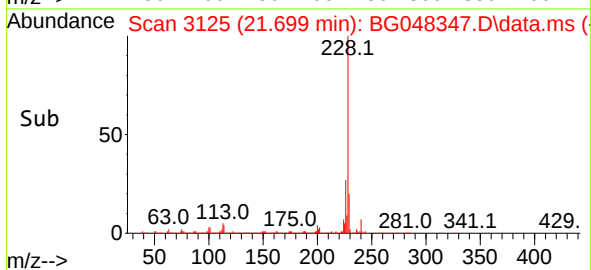
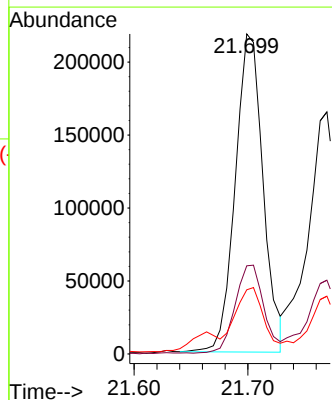
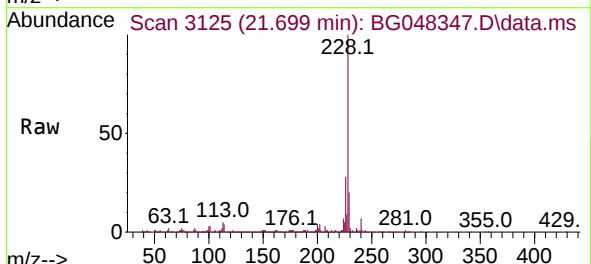
Manual Integrations
 APPROVED

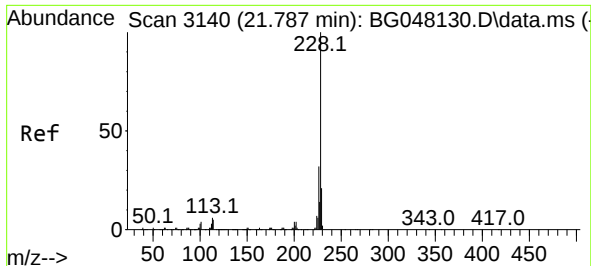
mohammad
 3/8/2021 9:34:41 AM



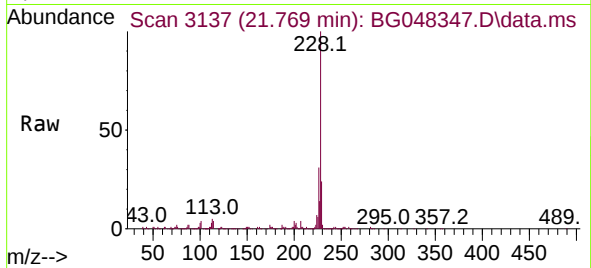
#81
 Benzo(a)anthracene
 Concen: 22.37 ng
 RT: 21.699 min Scan# 3125
 Delta R.T. -0.006 min
 Lab File: BG048347.D
 Acq: 5 Mar 2021 21:08

Tgt Ion:228 Resp: 370171
 Ion Ratio Lower Upper
 228 100
 226 27.6 23.3 34.9
 229 20.1 17.4 26.0

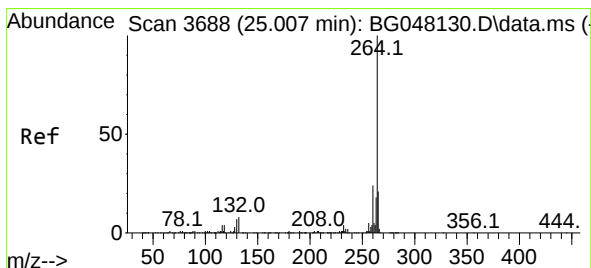
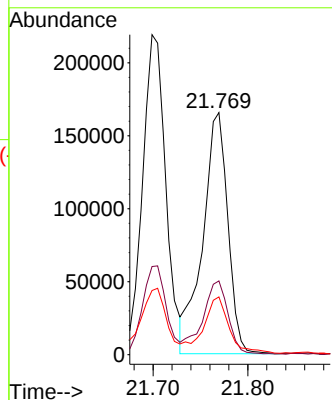
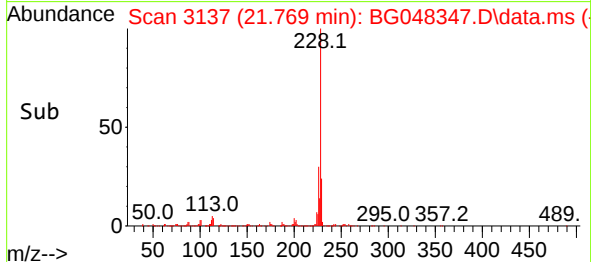




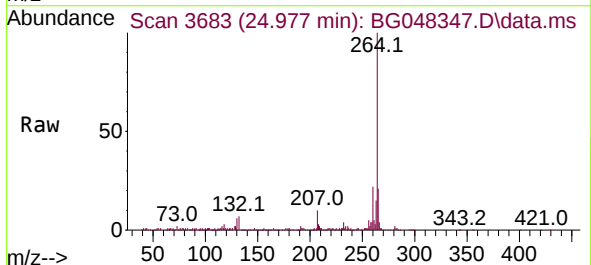
#83
Chrysene
Concen: 19.23 ng
RT: 21.769 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08



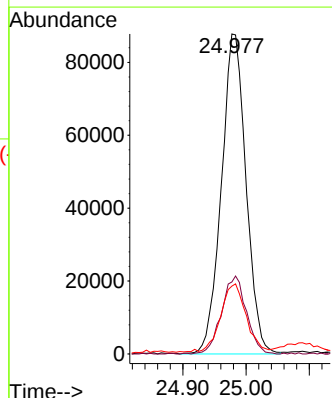
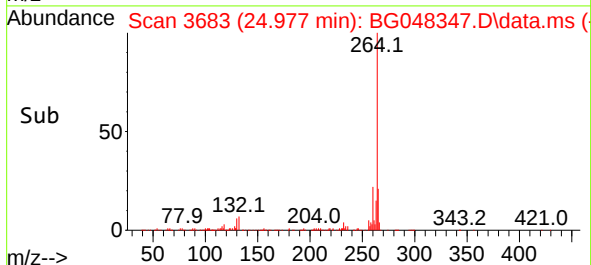
Tgt Ion:228 Resp: 303908
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.4
229 23.9 17.3 25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.977 min Scan# 3683
Delta R.T. -0.012 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08



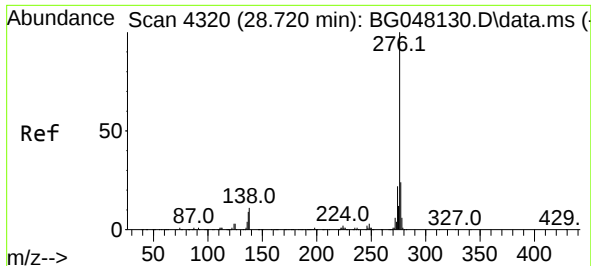
Tgt Ion:264 Resp: 238152
Ion Ratio Lower Upper
264 100
260 22.5 18.8 28.2
265 21.2 17.8 26.8



Instrument :
BNA_G
ClientSampled :
TP-1

Manual Integrations
APPROVED

mohammad
3/8/2021 9:34:41 AM



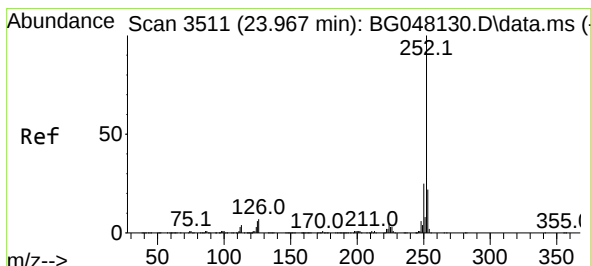
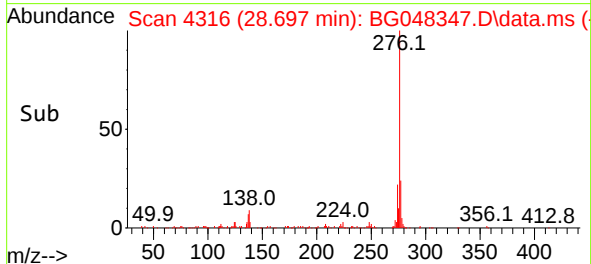
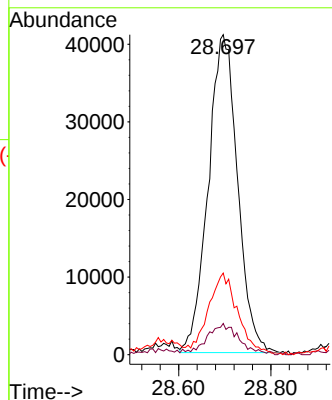
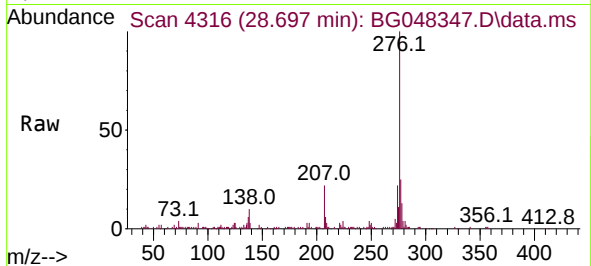
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.04 ng
 RT: 28.697 min Scan# 4316
 Delta R.T. -0.018 min
 Lab File: BG048347.D
 Acq: 5 Mar 2021 21:08

Tgt Ion: 276 Resp: 181203
 Ion Ratio Lower Upper
 276 100
 138 9.2 16.2 24.2#
 277 26.2 20.3 30.5

Instrument :
 BNA_G
 ClientSampled :
 TP-1

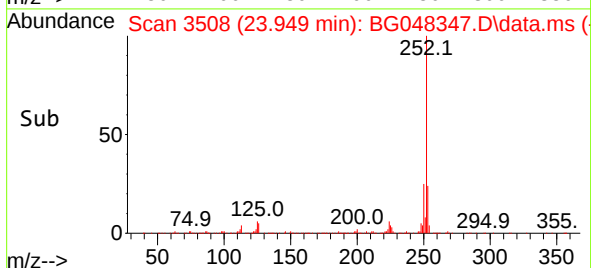
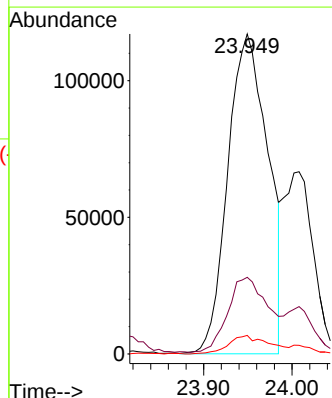
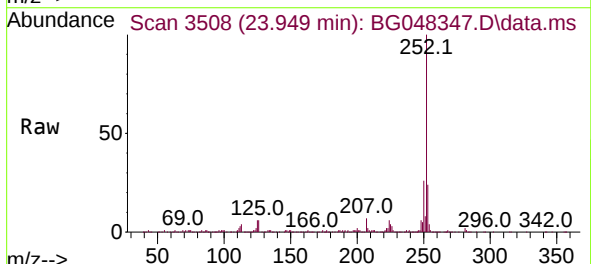
Manual Integrations
 APPROVED

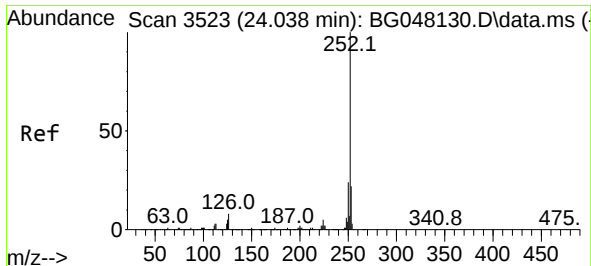
mohammad
 3/8/2021 9:34:41 AM



#88
 Benzo(b)fluoranthene
 Concen: 22.40 ng m
 RT: 23.949 min Scan# 3508
 Delta R.T. -0.000 min
 Lab File: BG048347.D
 Acq: 5 Mar 2021 21:08

Tgt Ion: 252 Resp: 368773
 Ion Ratio Lower Upper
 252 100
 253 23.9 18.7 28.1
 125 5.8 6.5 9.7#





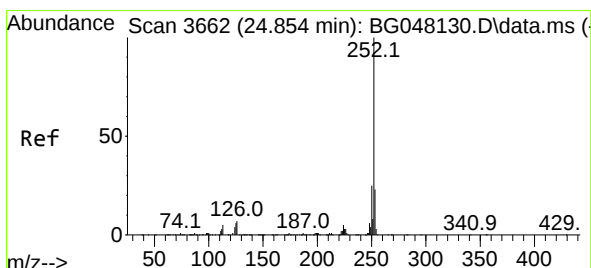
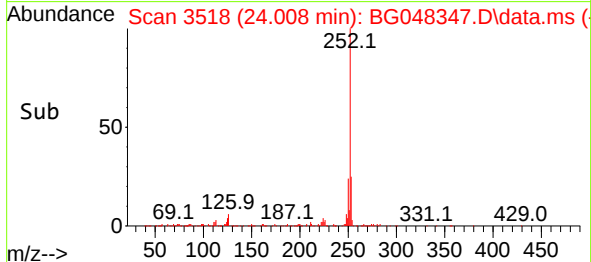
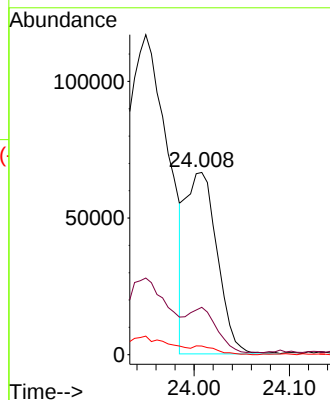
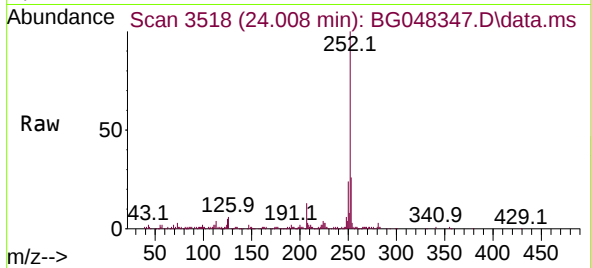
#89
Benzo(k)fluoranthene
Concen: 9.73 ng m
RT: 24.008 min Scan# 3518
Delta R.T. -0.012 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

Instrument :
BNA_G
ClientSampled :
TP-1

Tgt Ion:252 Resp: 152776
Ion Ratio Lower Upper
252 100
253 26.0 18.6 27.8
125 4.7 6.8 10.2#

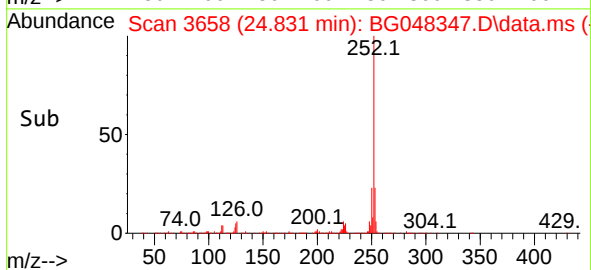
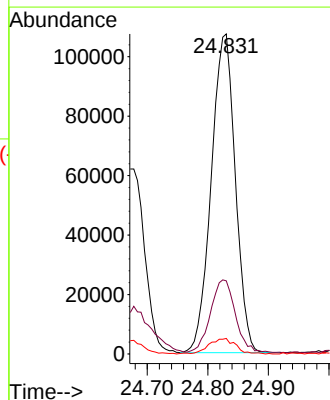
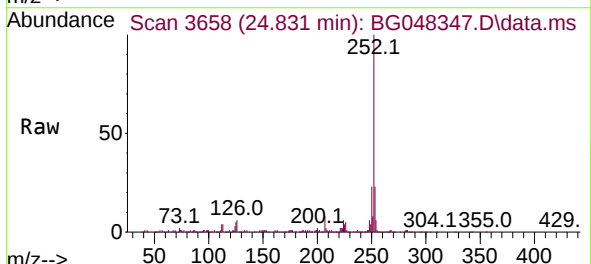
Manual Integrations
APPROVED

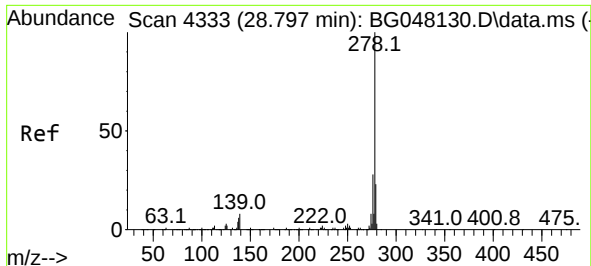
mohammad
3/8/2021 9:34:41 AM



#90
Benzo(a)pyrene
Concen: 19.38 ng m
RT: 24.831 min Scan# 3658
Delta R.T. -0.000 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

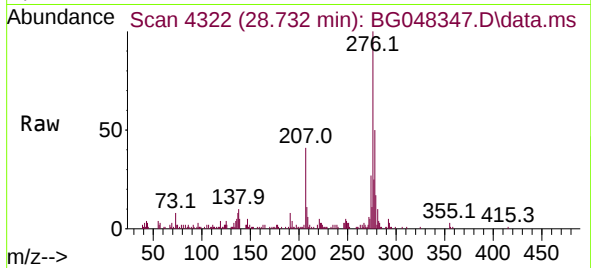
Tgt Ion:252 Resp: 295906
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 4.9 7.0 10.4#





#91
Dibenzo(a,h)anthracene
Concen: 3.21 ng
RT: 28.732 min Scan# 4322
Delta R.T. -0.041 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08

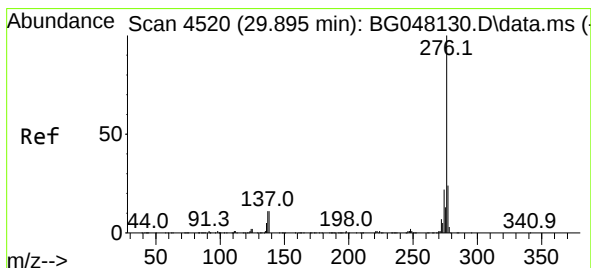
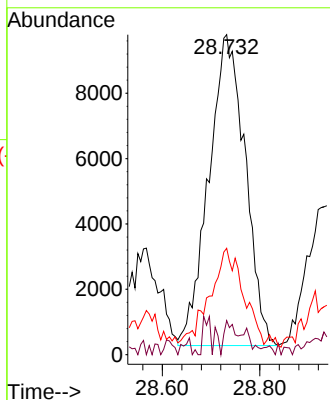
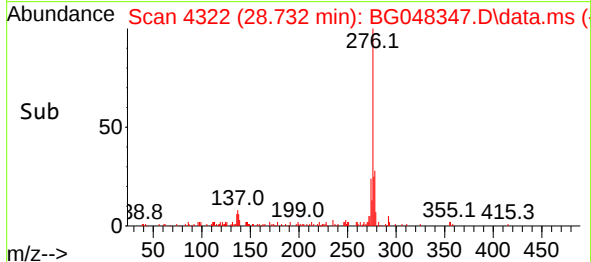
Instrument :
BNA_G
ClientSampled :
TP-1



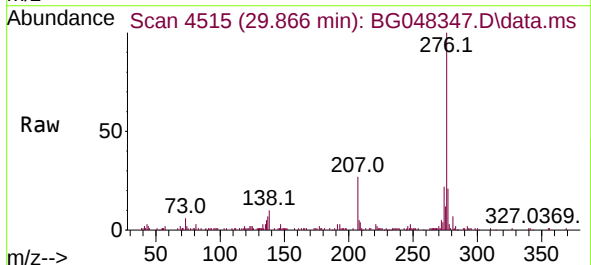
Tgt Ion:278 Resp: 49451
Ion Ratio Lower Upper
278 100
139 10.7 10.5 15.7
279 33.3 19.4 29.0#

Manual Integrations
APPROVED

mohammad
3/8/2021 9:34:41 AM



#92
Benzo(g,h,i)perylene
Concen: 10.64 ng
RT: 29.866 min Scan# 4515
Delta R.T. -0.024 min
Lab File: BG048347.D
Acq: 5 Mar 2021 21:08



Tgt Ion:276 Resp: 159171
Ion Ratio Lower Upper
276 100
277 21.2 19.6 29.4
138 10.1 13.4 20.2#

