

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092520\
 Data File : BG046708.D
 Acq On : 25 Sep 2020 19:09
 Operator : CG/JU
 Sample : L4127-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-2(11-13)

Manual Integrations
 APPROVED

mohammad
 9/28/2020 11:10:11 AM

Quant Time: Sep 26 02:46:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 21:47:28 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.124	152	77451	20.00	ng	# 0.00
21) Naphthalene-d8	10.932	136	311691	20.00	ng	# 0.00
39) Acenaphthene-d10	14.739	164	207779	20.00	ng	-0.01
64) Phenanthrene-d10	17.483	188	468874	20.00	ng	0.00
76) Chrysene-d12	21.766	240	462960	20.00	ng	#-0.01
86) Perylene-d12	25.057	264	470662	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.679	112	482590	99.82	ng	0.00
7) Phenol-d6	7.266	99	651524	95.54	ng	0.00
23) Nitrobenzene-d5	9.281	82	472268	80.61	ng	0.00
42) 2,4,6-Tribromophenol	16.226	330	284567	103.87	ng	0.00
45) 2-Fluorobiphenyl	13.370	172	985578	67.15	ng	0.00
79) Terphenyl-d14	20.092	244	1364653	59.08	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	14.187	163	100337	6.05	ng	98
71) Phenanthrene	17.524	178	313191	12.30	ng	98
72) Anthracene	17.618	178	70719	2.82	ng	92
75) Fluoranthene	19.534	202	599547	18.49	ng	97
78) Pyrene	19.892	202	571334	19.20	ng	97
81) Benzo(a)anthracene	21.749	228	326506	10.56	ng	98
83) Chrysene	21.813	228	286587	9.70	ng	100
87) Indeno(1,2,3-cd)pyrene	28.799	276	194044	5.57	ng	# 79
88) Benzo(b)fluoranthene	24.017	252	378168m	12.26	ng	
89) Benzo(k)fluoranthene	24.070	252	128223m	4.32	ng	
90) Benzo(a)pyrene	24.898	252	284132m	9.79	ng	
92) Benzo(g,h,i)perylene	29.963	276	182643	6.56	ng	94

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

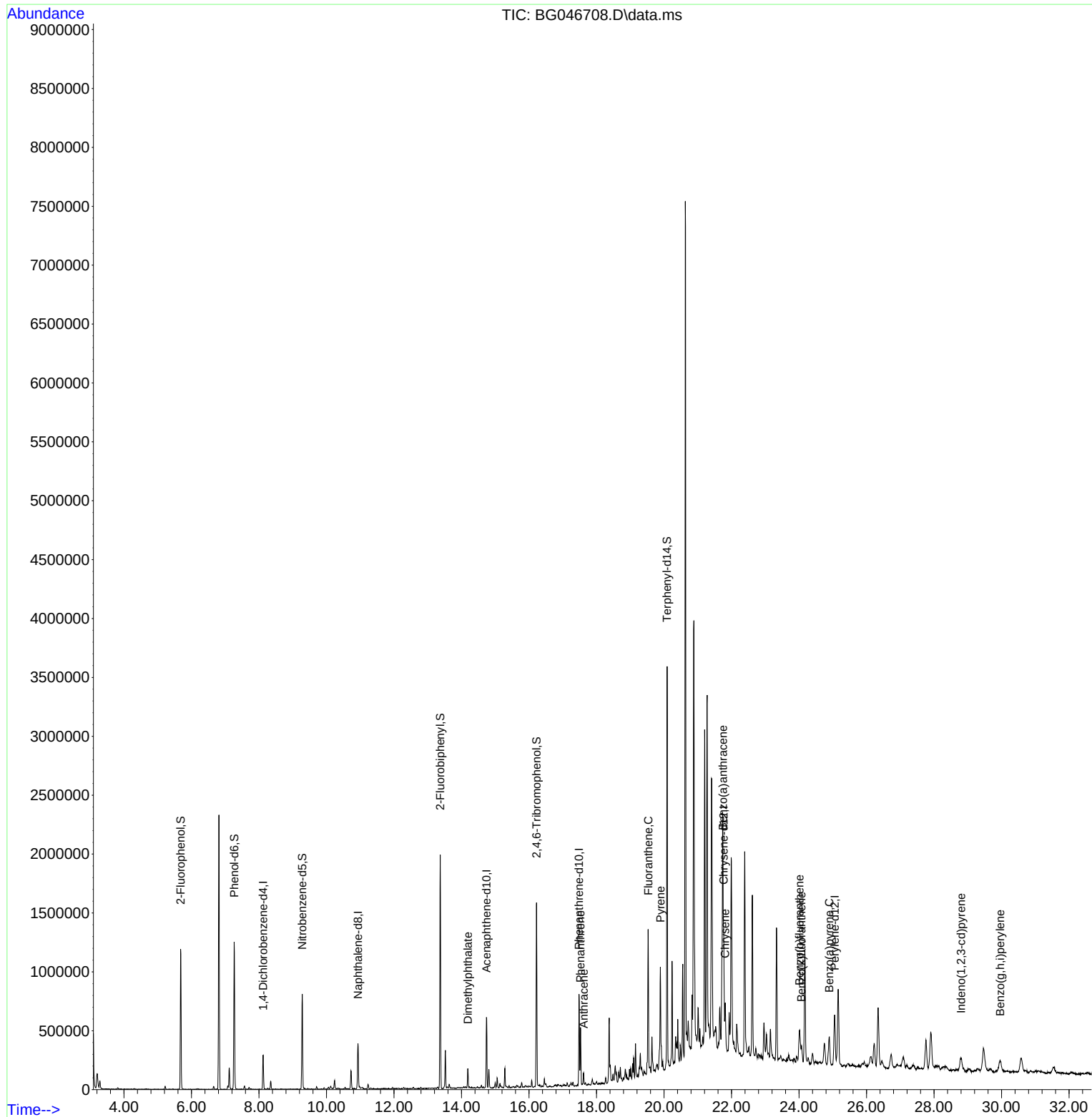
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092520\
Data File : BG046708.D
Acq On : 25 Sep 2020 19:09
Operator : CG/JU
Sample : L4127-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

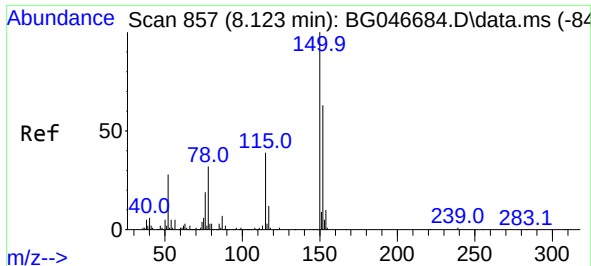
Instrument :
BNA_G
ClientSampleId :
B-2(11-13)

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:11 AM

Quant Time: Sep 26 02:46:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 22 21:47:28 2020
Response via : Initial Calibration





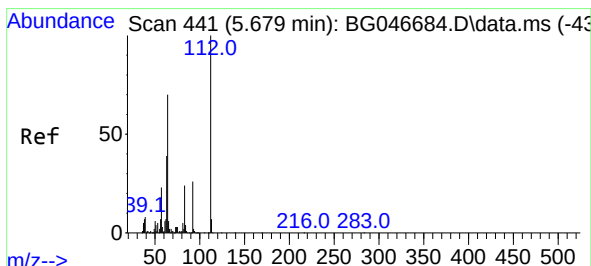
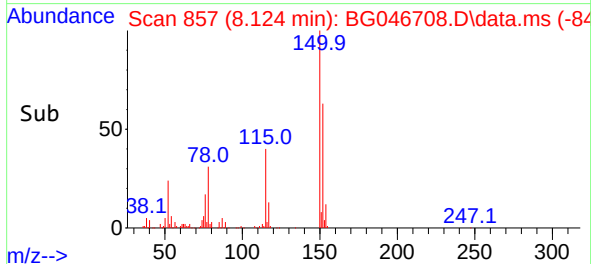
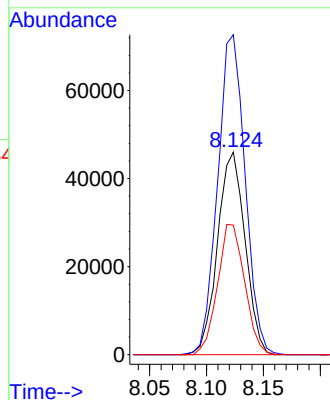
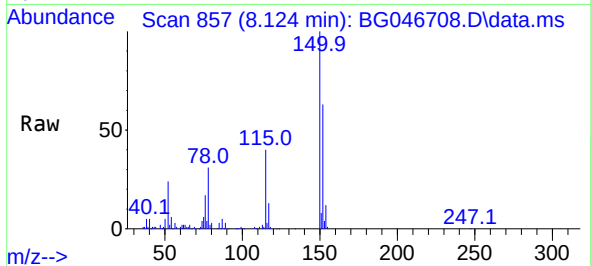
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.124 min Scan# 857
Delta R.T. 0.001 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:152 Resp: 77451
Ion Ratio Lower Upper
152 100
150 158.0 125.0 187.6
115 63.9 41.8 62.6#

Instrument :
BNA_G
ClientSampleId :
B-2(11-13)

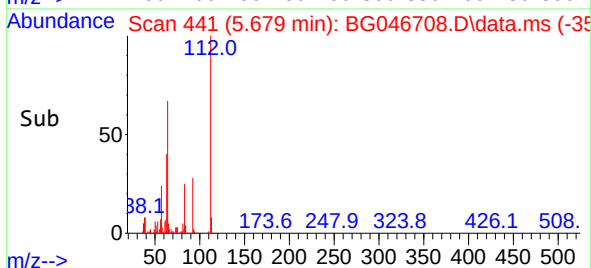
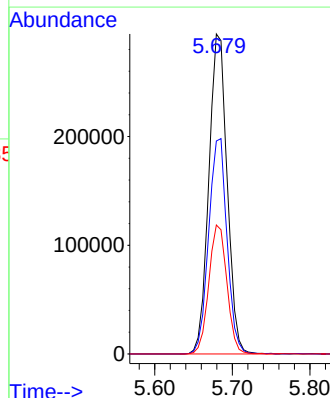
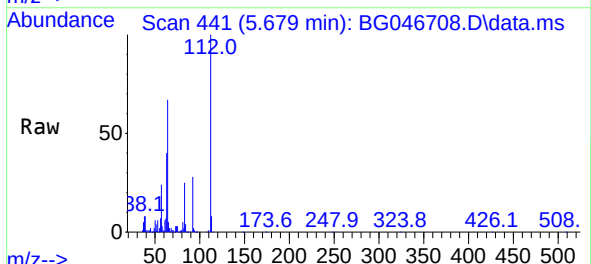
Manual Integrations
APPROVED

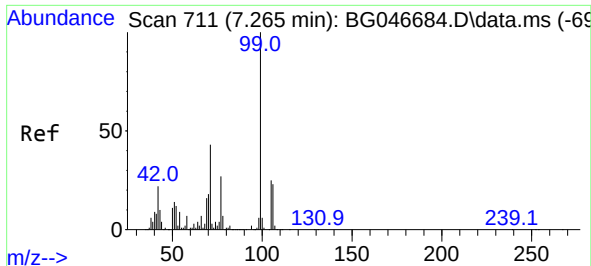
mohammad
9/28/2020 11:10:11 AM



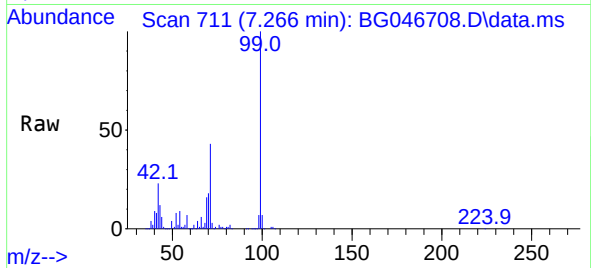
#5
2-Fluorophenol
Concen: 99.82 ng
RT: 5.679 min Scan# 441
Delta R.T. 0.000 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:112 Resp: 482590
Ion Ratio Lower Upper
112 100
64 66.5 46.7 70.1
63 40.3 22.8 34.2#

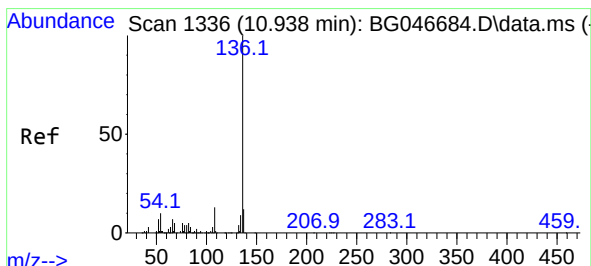
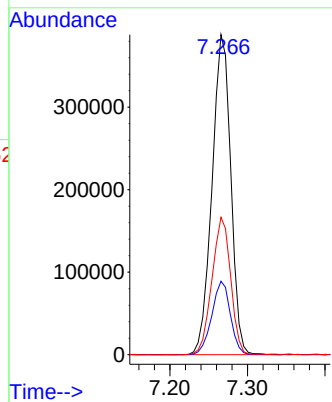
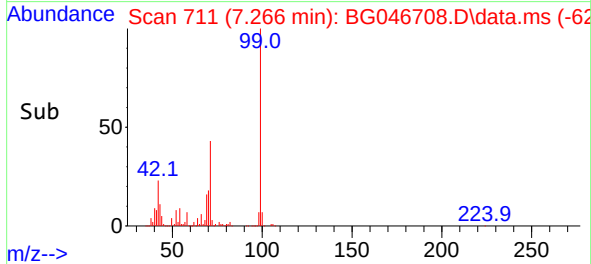




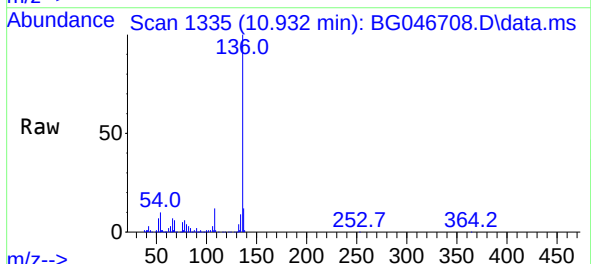
#7
Phenol-d6
Concen: 95.54 ng
RT: 7.266 min Scan# 711
Delta R.T. 0.001 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09



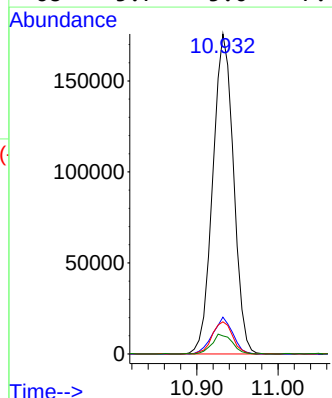
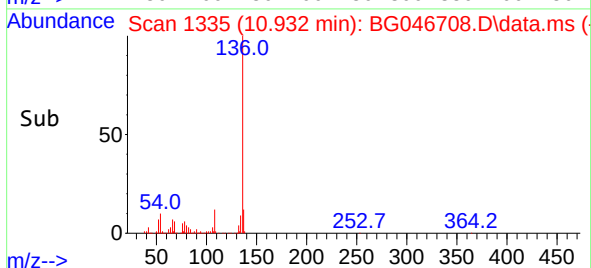
Tgt Ion: 99 Resp: 651524
Ion Ratio Lower Upper
99 100
42 22.9 12.8 19.2#
71 42.9 24.6 36.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.932 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09



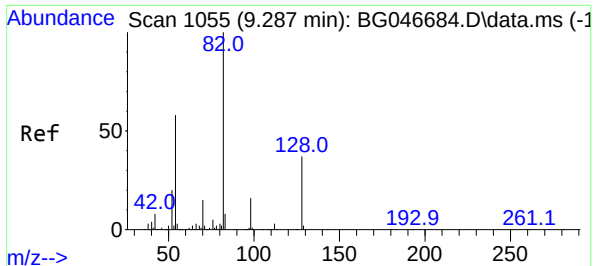
Tgt Ion: 136 Resp: 311691
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 10.1 6.2 9.4#
68 5.7 5.0 7.4



Instrument :
BNA_G
ClientSampled :
B-2(11-13)

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:11 AM



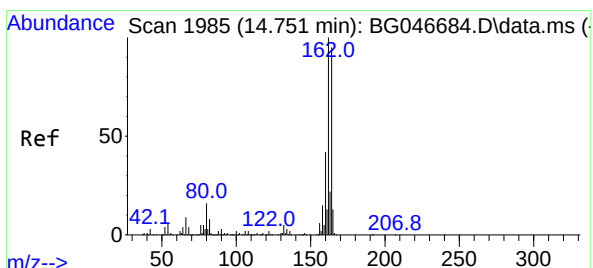
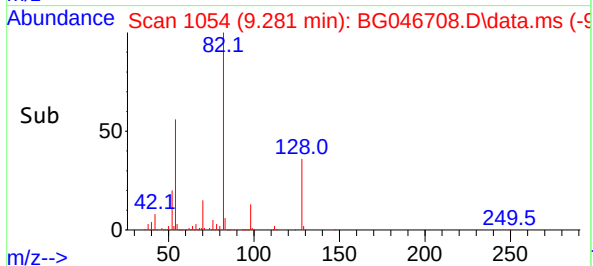
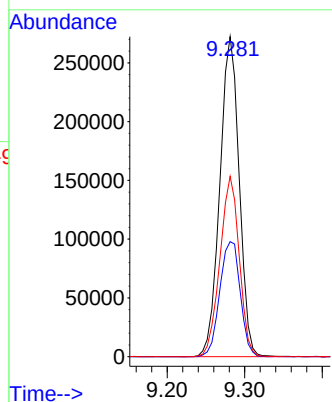
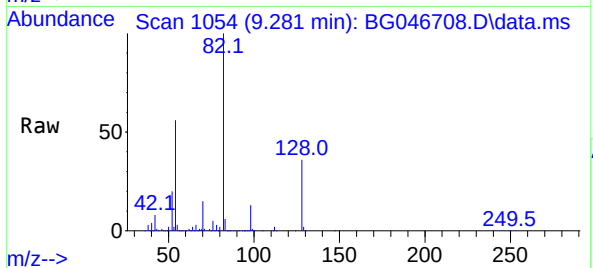
#23
Nitrobenzene-d5
Concen: 80.61 ng
RT: 9.281 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion: 82 Resp: 472268
Ion Ratio Lower Upper
82 100
128 35.9 37.0 55.6#
54 56.3 39.0 58.4

Instrument :
BNA_G
ClientSampled :
B-2(11-13)

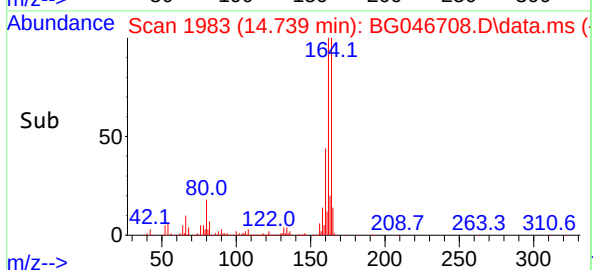
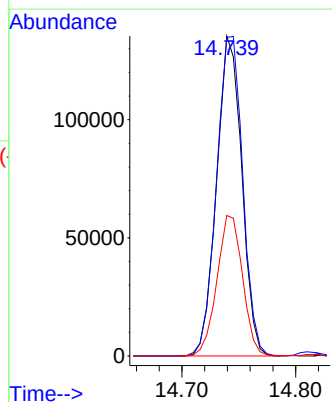
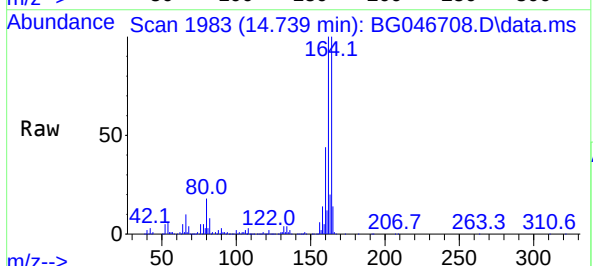
Manual Integrations
APPROVED

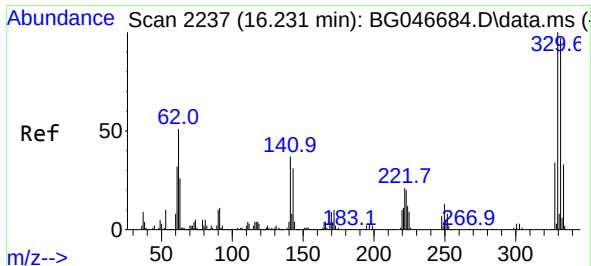
mohammad
9/28/2020 11:10:11 AM



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.739 min Scan# 1983
Delta R.T. -0.012 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

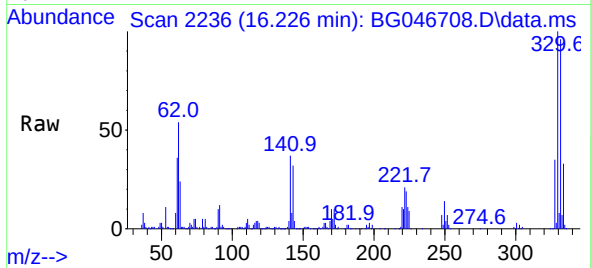
Tgt Ion:164 Resp: 207779
Ion Ratio Lower Upper
164 100
162 99.6 82.3 123.5
160 43.9 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 103.87 ng
RT: 16.226 min Scan# 2236
Delta R.T. -0.005 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

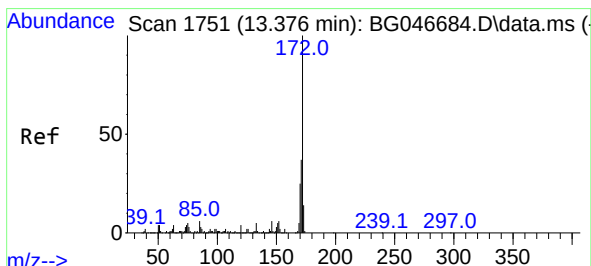
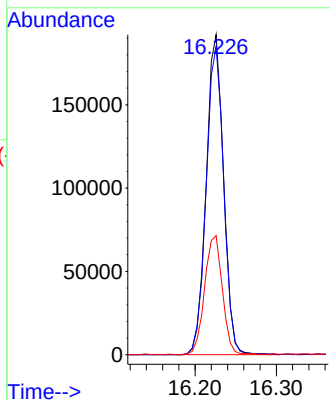
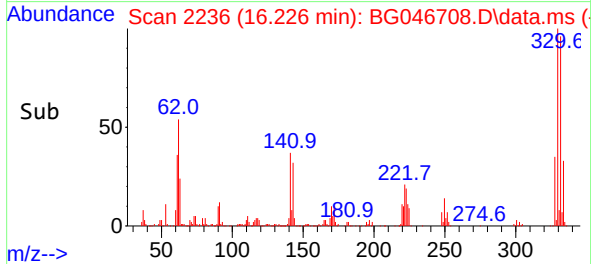
Instrument :
BNA_G
ClientSampleId :
B-2(11-13)



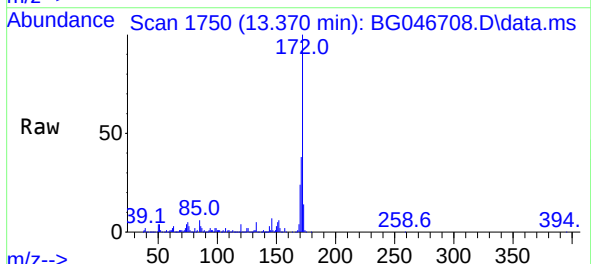
Tgt Ion:330 Resp: 284567
Ion Ratio Lower Upper
330 100
332 97.4 76.5 114.7
141 38.3 26.0 39.0

Manual Integrations
APPROVED

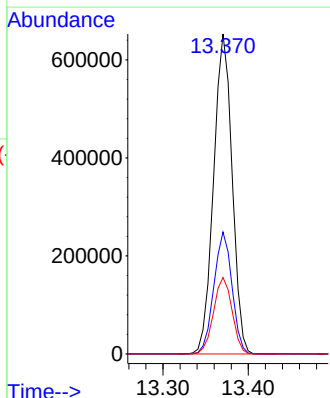
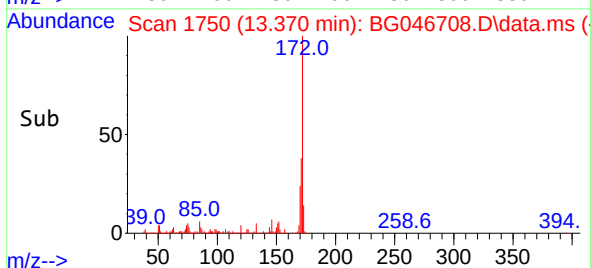
mohammad
9/28/2020 11:10:11 AM

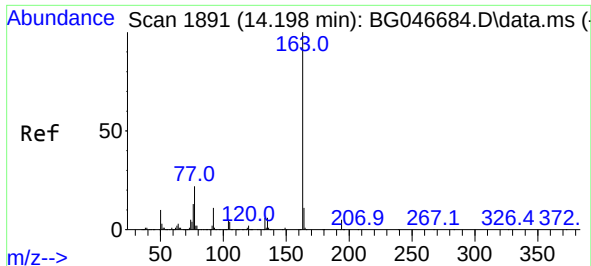


#45
2-Fluorobiphenyl
Concen: 67.15 ng
RT: 13.370 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

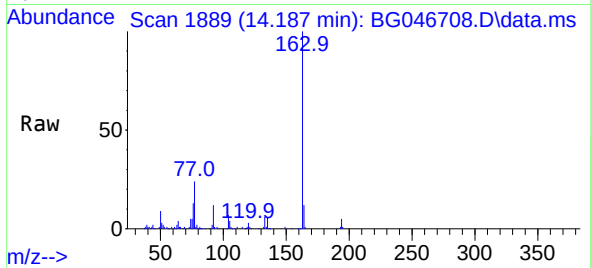


Tgt Ion:172 Resp: 985578
Ion Ratio Lower Upper
172 100
171 38.1 31.3 46.9
170 23.9 20.8 31.2

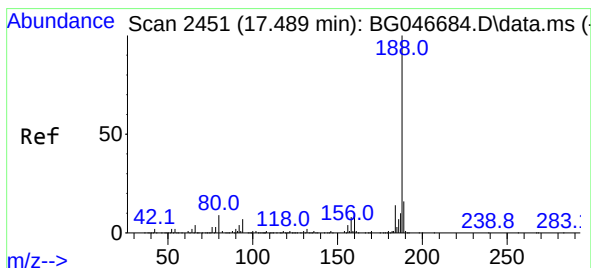
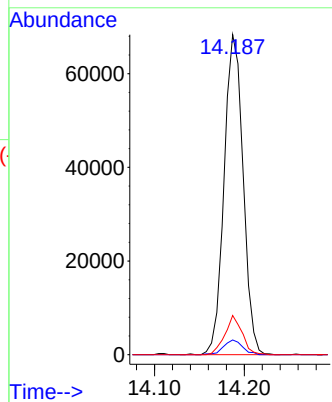
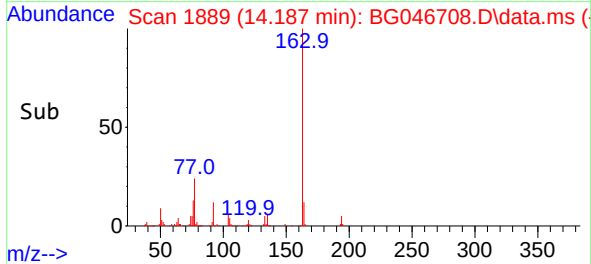




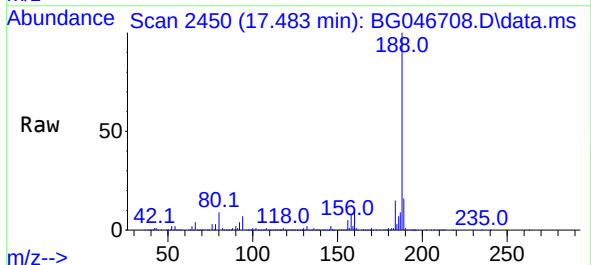
#50
Dimethylphthalate
Concen: 6.05 ng
RT: 14.187 min Scan# 1889
Delta R.T. -0.011 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09



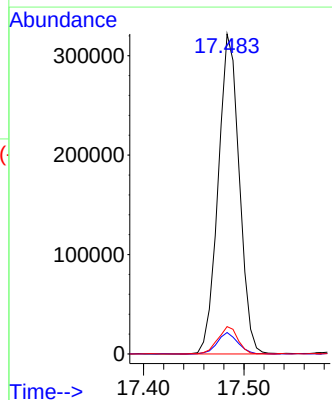
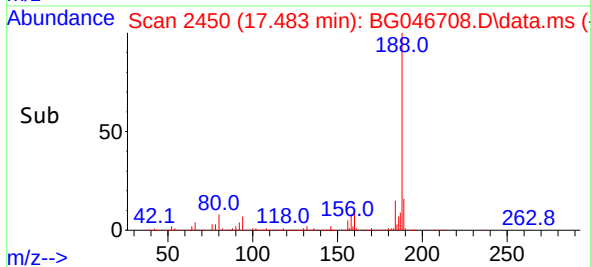
Tgt Ion:163 Resp: 100337
Ion Ratio Lower Upper
163 100
194 4.6 3.8 5.8
164 12.3 8.8 13.2



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.483 min Scan# 2450
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09



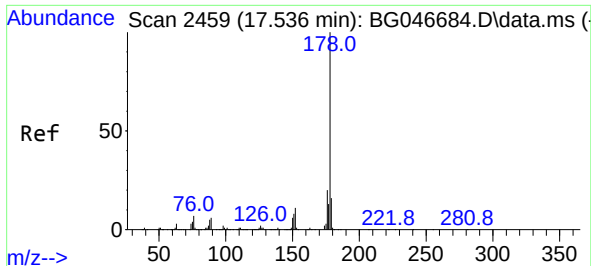
Tgt Ion:188 Resp: 468874
Ion Ratio Lower Upper
188 100
94 6.7 6.3 9.5
80 8.6 7.0 10.6



Instrument :
BNA_G
ClientSampled :
B-2(11-13)

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:11 AM



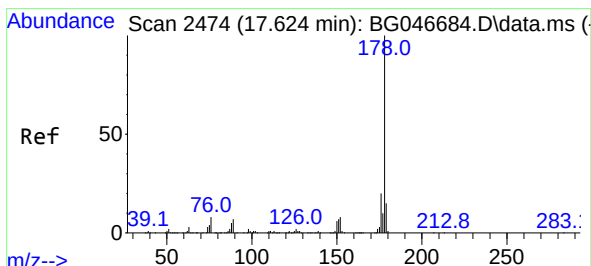
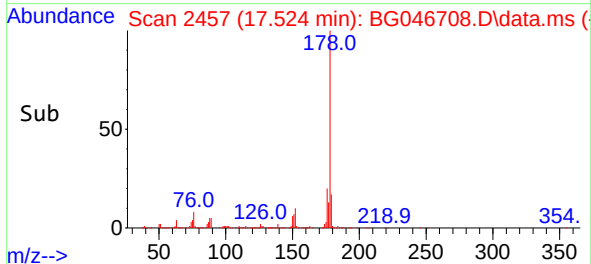
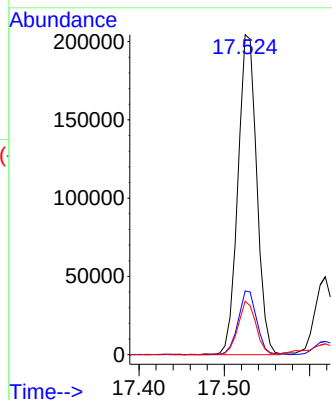
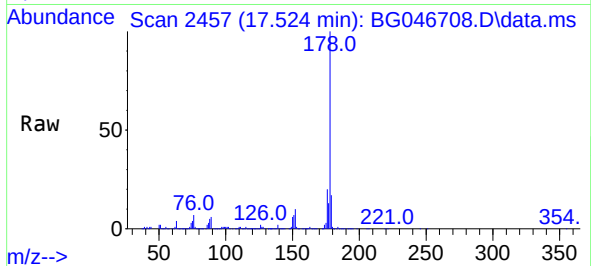
#71
Phenanthrene
Concen: 12.30 ng
RT: 17.524 min Scan# 2457
Delta R.T. -0.011 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:178 Resp: 313191
Ion Ratio Lower Upper
178 100
176 19.9 16.7 25.1
179 16.7 14.0 21.0

Instrument :
BNA_G
ClientSampled :
B-2(11-13)

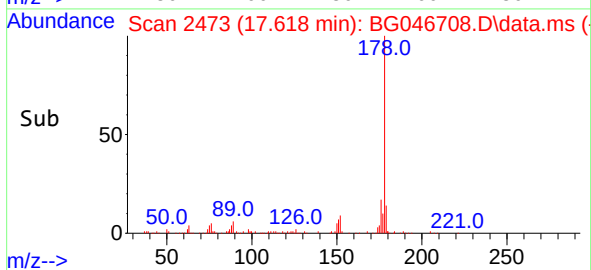
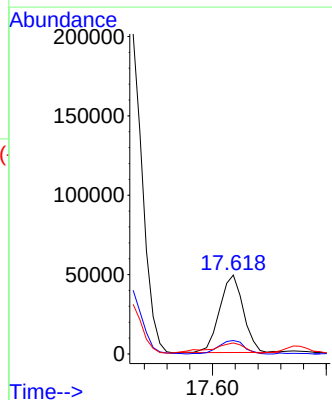
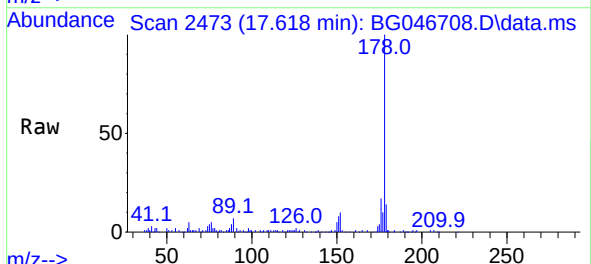
Manual Integrations
APPROVED

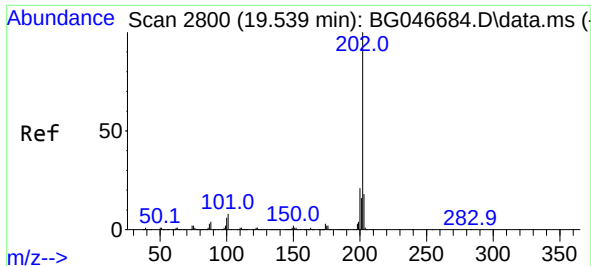
mohammad
9/28/2020 11:10:11 AM



#72
Anthracene
Concen: 2.82 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:178 Resp: 70719
Ion Ratio Lower Upper
178 100
176 17.0 16.4 24.6
179 14.0 13.8 20.6





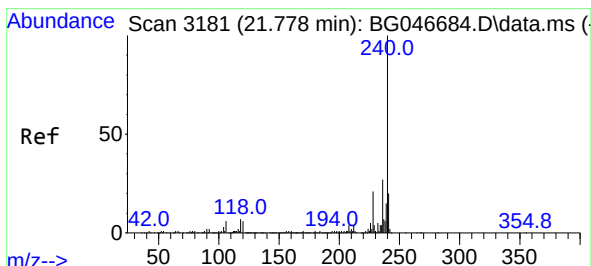
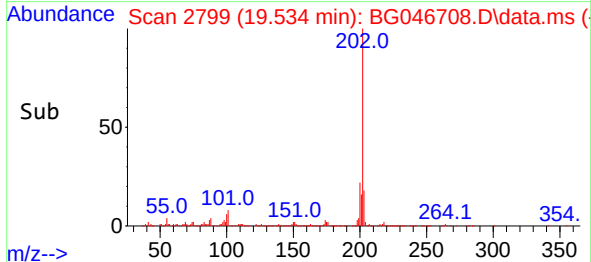
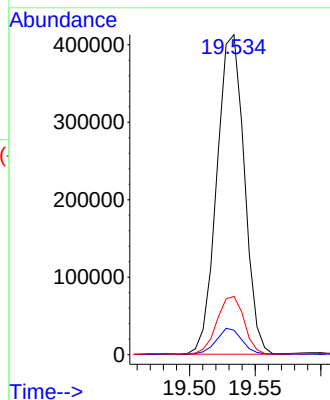
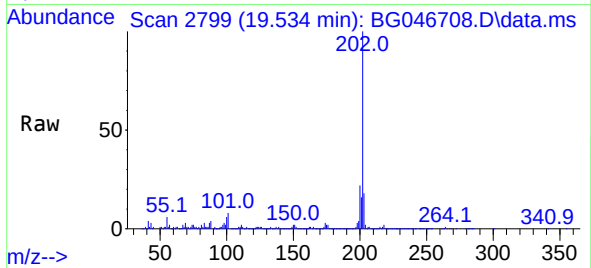
#75
Fluoranthene
Concen: 18.49 ng
RT: 19.534 min Scan# 2799
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:	202	Resp:	599547
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	29.7
203	18.2	0.0	39.2

Instrument :
BNA_G
ClientSampled :
B-2(11-13)

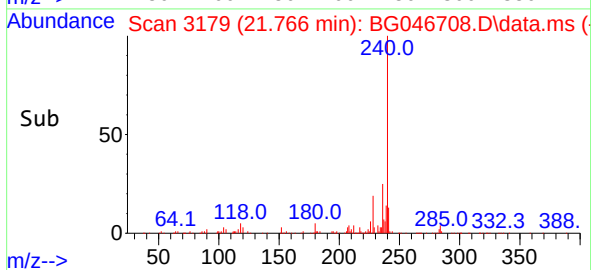
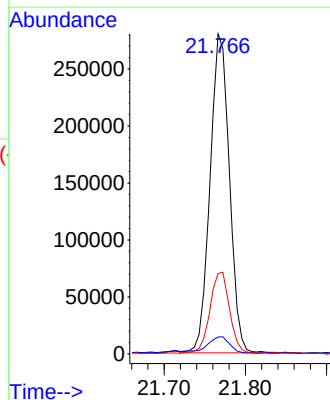
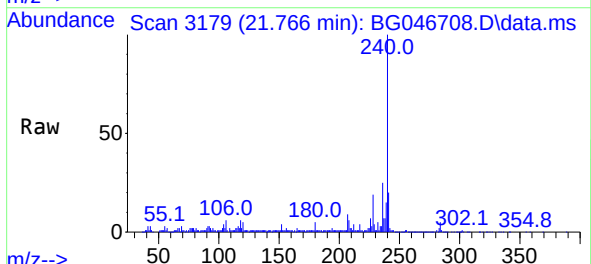
Manual Integrations
APPROVED

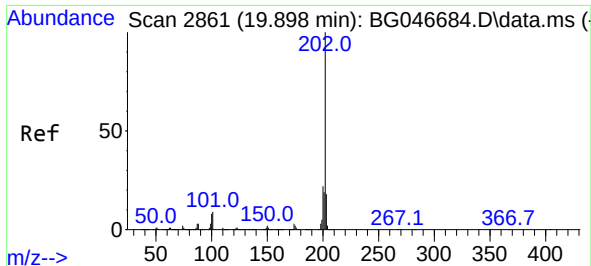
mohammad
9/28/2020 11:10:11 AM



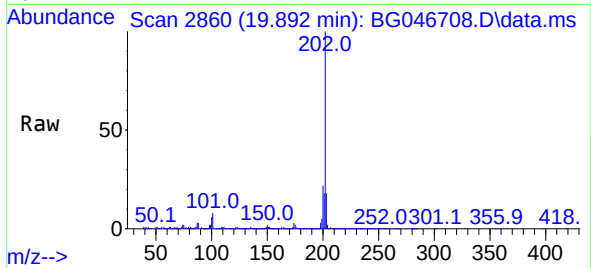
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.766 min Scan# 3179
Delta R.T. -0.012 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:	240	Resp:	462960
Ion Ratio	Lower	Upper	
240	100		
120	5.3	6.2	9.4#
236	25.2	20.5	30.7

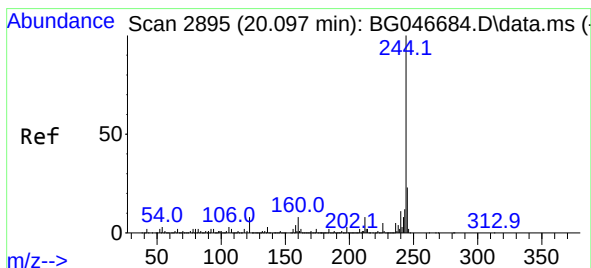
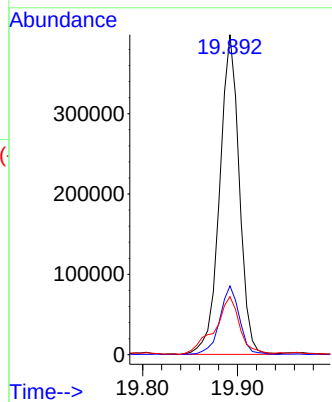
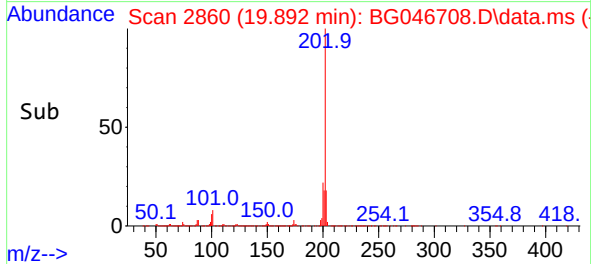




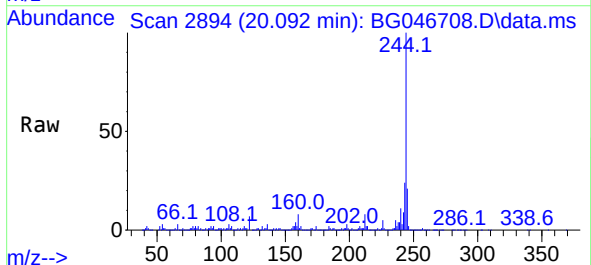
#78
Pyrene
Concen: 19.20 ng
RT: 19.892 min Scan# 2860
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09



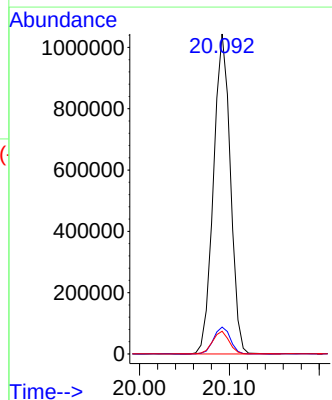
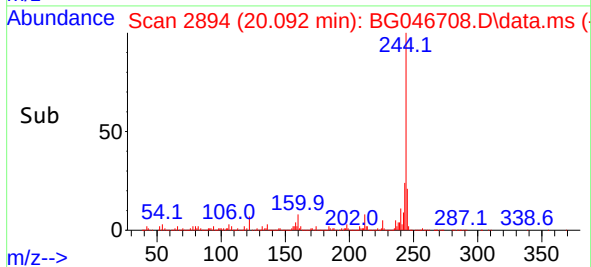
Tgt Ion:202 Resp: 571334
Ion Ratio Lower Upper
202 100
200 21.5 18.6 27.8
203 18.1 15.3 22.9



#79
Terphenyl-d14
Concen: 59.08 ng
RT: 20.092 min Scan# 2894
Delta R.T. -0.005 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09



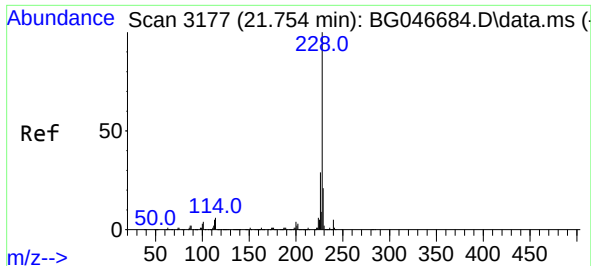
Tgt Ion:244 Resp: 1364653
Ion Ratio Lower Upper
244 100
212 8.4 6.7 10.1
122 7.1 7.8 11.6#



Instrument :
BNA_G
ClientSampleId :
B-2(11-13)

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:11 AM



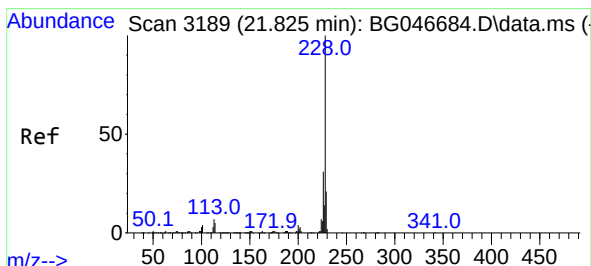
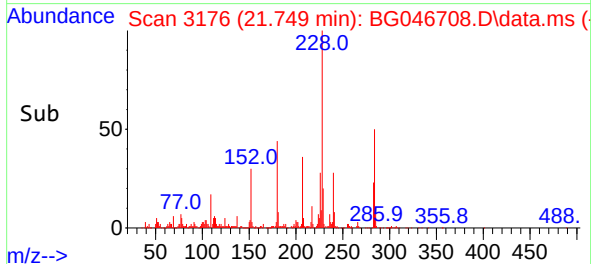
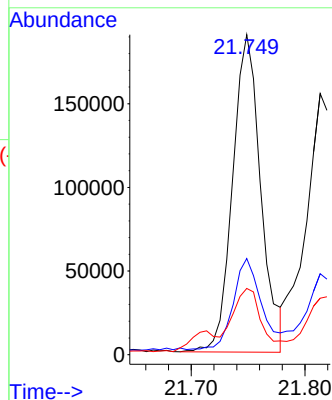
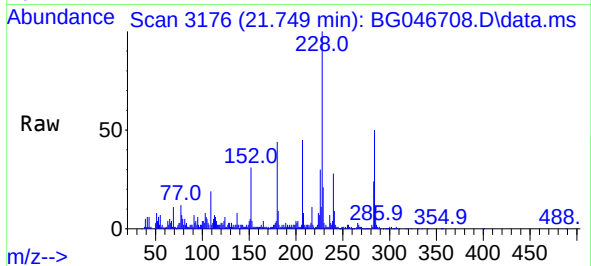
#81
Benzo(a)anthracene
Concen: 10.56 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:228 Resp: 326506
Ion Ratio Lower Upper
228 100
226 30.1 23.3 34.9
229 20.7 17.4 26.0

Instrument :
BNA_G
ClientSampled :
B-2(11-13)

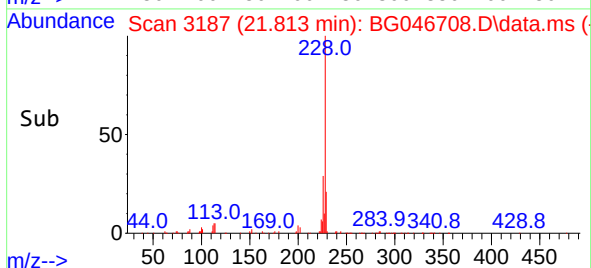
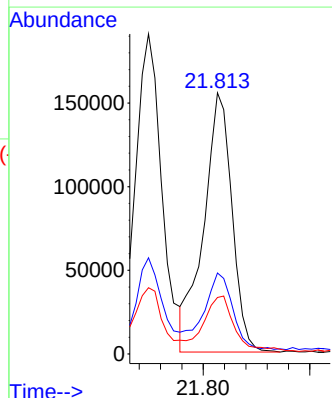
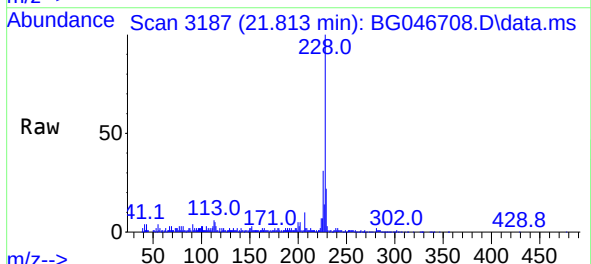
Manual Integrations
APPROVED

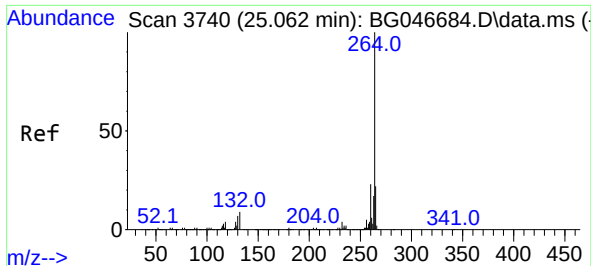
mohammad
9/28/2020 11:10:11 AM



#83
Chrysene
Concen: 9.70 ng
RT: 21.813 min Scan# 3187
Delta R.T. -0.011 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:228 Resp: 286587
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.4
229 21.6 17.3 25.9





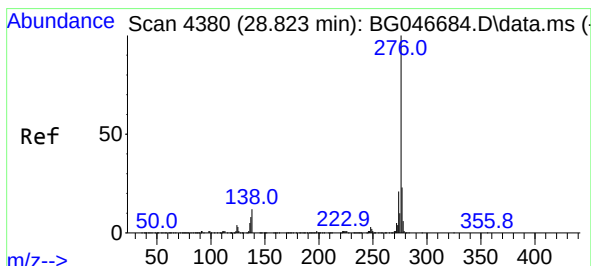
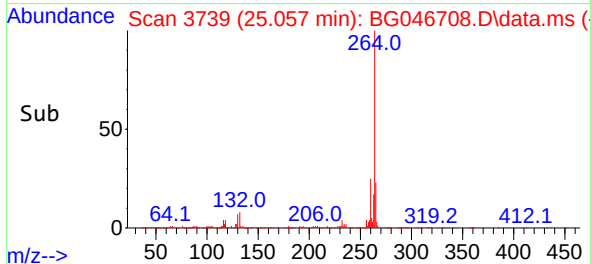
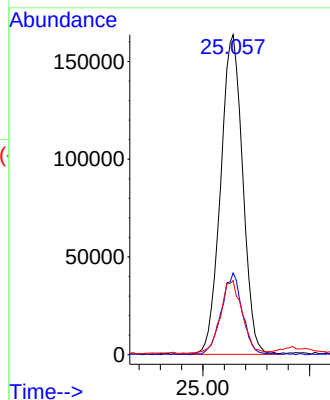
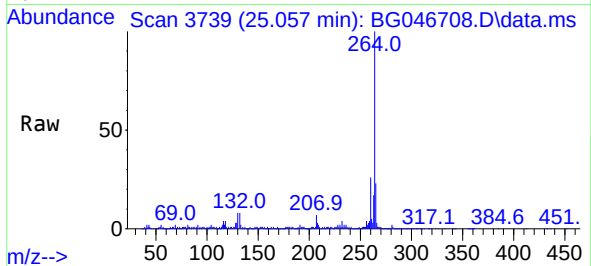
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.057 min Scan# 3739
Delta R.T. -0.005 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

Tgt Ion:	264	Resp:	470662
Ion Ratio	Lower	Upper	
264	100		
260	25.5	18.8	28.2
265	23.1	17.8	26.8

Instrument :
BNA_G
ClientSampled :
B-2(11-13)

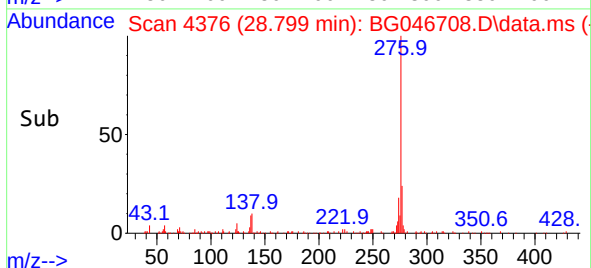
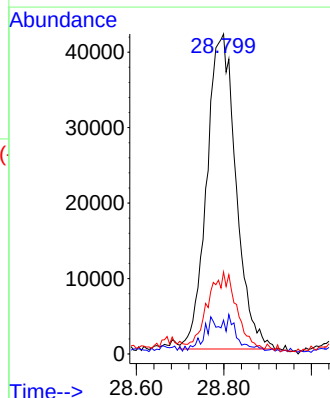
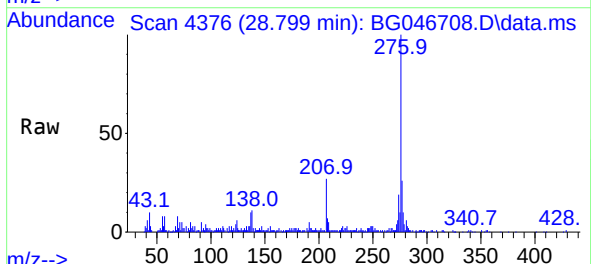
Manual Integrations
APPROVED

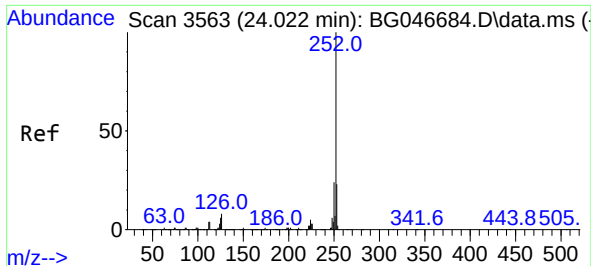
mohammad
9/28/2020 11:10:11 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.57 ng
RT: 28.799 min Scan# 4376
Delta R.T. -0.023 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

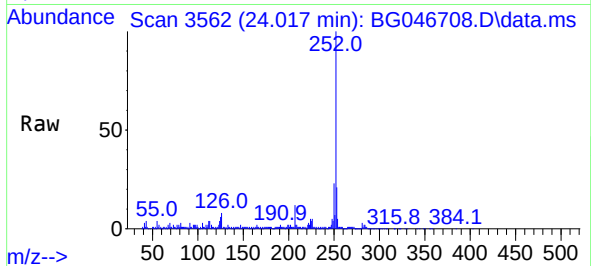
Tgt Ion:	276	Resp:	194044
Ion Ratio	Lower	Upper	
276	100		
138	0.0	16.2	24.2#
277	23.9	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 12.26 ng m
RT: 24.017 min Scan# 3562
Delta R.T. -0.006 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

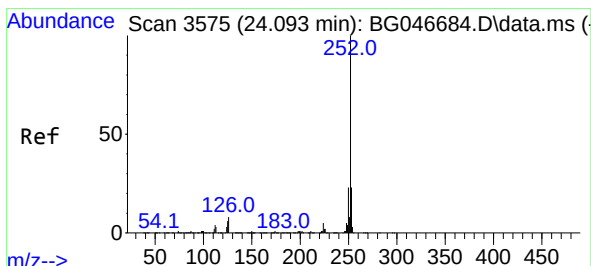
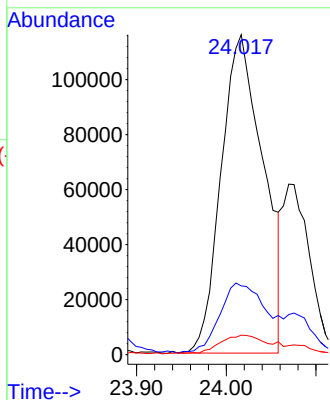
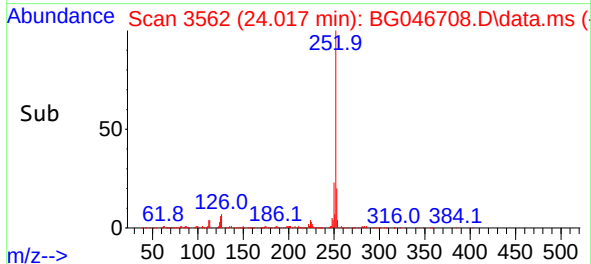
Instrument :
BNA_G
ClientSampled :
B-2(11-13)



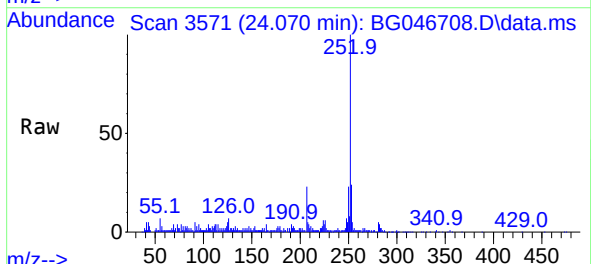
Tgt Ion:252 Resp: 378168
Ion Ratio Lower Upper
252 100
253 21.5 18.7 28.1
125 6.1 6.5 9.7#

Manual Integrations
APPROVED

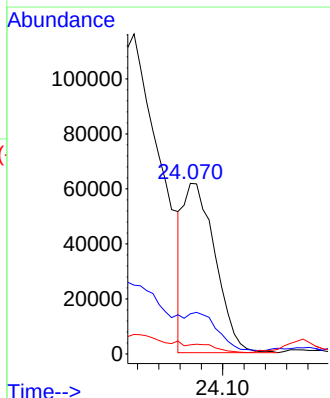
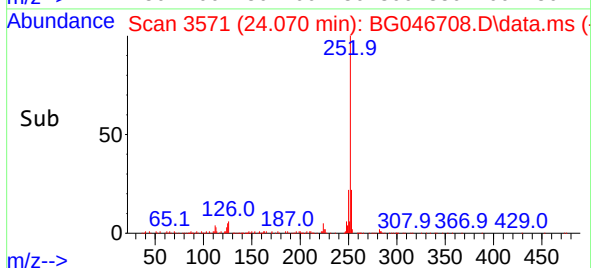
mohammad
9/28/2020 11:10:11 AM

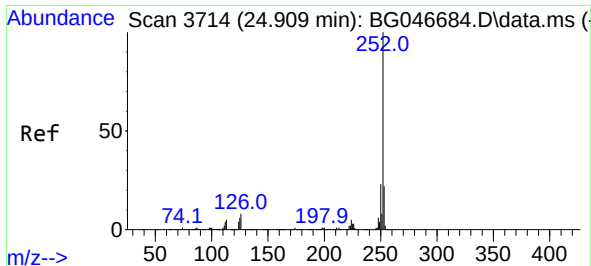


#89
Benzo(k)fluoranthene
Concen: 4.32 ng m
RT: 24.070 min Scan# 3571
Delta R.T. -0.023 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09

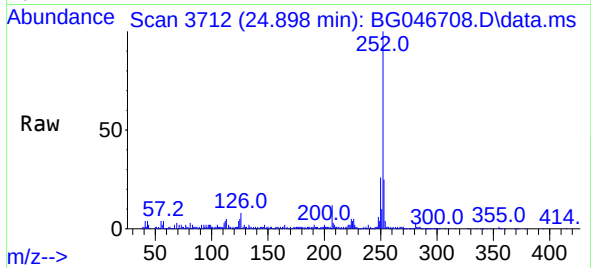


Tgt Ion:252 Resp: 128223
Ion Ratio Lower Upper
252 100
253 23.6 18.6 27.8
125 5.3 6.8 10.2#

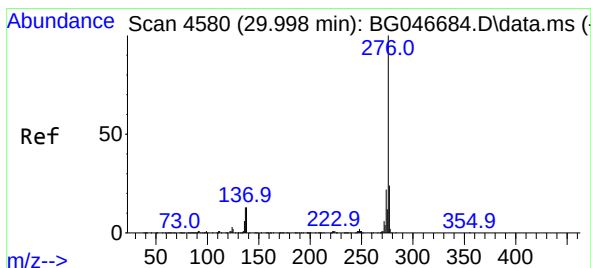
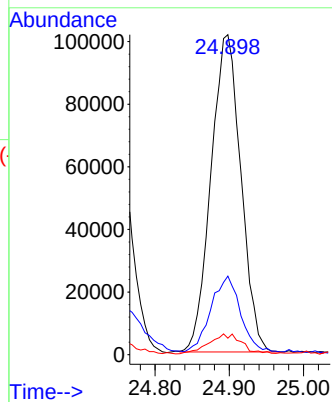
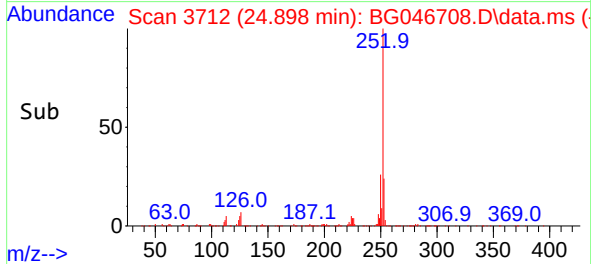




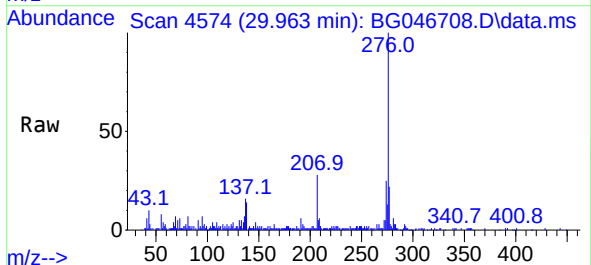
#90
Benzo(a)pyrene
Concen: 9.79 ng m
RT: 24.898 min Scan# 3712
Delta R.T. -0.011 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09



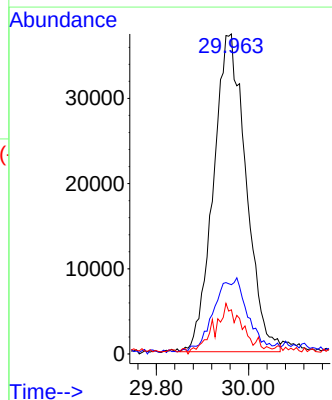
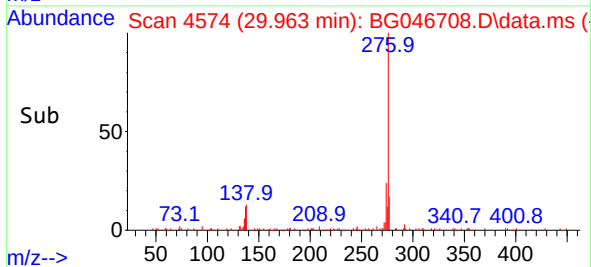
Tgt Ion:252 Resp: 284132
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 5.2 7.0 10.4#



#92
Benzo(g,h,i)perylene
Concen: 6.56 ng
RT: 29.963 min Scan# 4574
Delta R.T. -0.035 min
Lab File: BG046708.D
Acq: 25 Sep 2020 19:09



Tgt Ion:276 Resp: 182643
Ion Ratio Lower Upper
276 100
277 21.7 19.6 29.4
138 13.8 13.4 20.2



Instrument :
BNA_G
ClientSampled :
B-2(11-13)

Manual Integrations
APPROVED

mohammad
9/28/2020 11:10:11 AM