

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032321\
 Data File : BG048474.D
 Acq On : 23 Mar 2021 17:50
 Operator : CG/JU
 Sample : M1746-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-4

Manual Integrations
 APPROVED

mohammad

3/24/2021 1:32:29 PM

Quant Time: Mar 23 18:42:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 22 11:22:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.105	152	37104	20.00	ng	# 0.00
21) Naphthalene-d8	10.926	136	153070	20.00	ng	# 0.00
39) Acenaphthene-d10	14.745	164	119673	20.00	ng	0.00
64) Phenanthrene-d10	17.494	188	291906	20.00	ng	# 0.00
76) Chrysene-d12	21.784	240	280601	20.00	ng	# 0.00
86) Perylene-d12	25.121	264	297549	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.650	112	246231	109.74	ng	0.00
7) Phenol-d6	7.254	99	339414	103.96	ng	0.00
23) Nitrobenzene-d5	9.269	82	262267	68.51	ng	0.00
42) 2,4,6-Tribromophenol	16.231	330	211311	108.57	ng	0.00
45) 2-Fluorobiphenyl	13.364	172	542764	65.24	ng	0.00
79) Terphenyl-d14	20.103	244	986088	63.38	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.277	94	8656	2.59	ng	# 64
52) Acenaphthene	14.803	154	46090	6.12	ng	95
55) Dibenzofuran	15.144	168	26636	2.37	ng	98
58) Fluorene	15.791	166	32474	3.45	ng	96
71) Phenanthrene	17.536	178	462638	30.00	ng	97
72) Anthracene	17.624	178	110205	7.20	ng	97
73) Carbazole	17.894	167	50458	3.46	ng	# 94
75) Fluoranthene	19.545	202	703861	34.28	ng	94
78) Pyrene	19.909	202	559541	29.03	ng	96
81) Benzo(a)anthracene	21.766	228	297270	15.27	ng	97
83) Chrysene	21.831	228	257932	13.82	ng	97
87) Indeno(1,2,3-cd)pyrene	28.916	276	175814	7.75	ng	# 83
88) Benzo(b)fluoranthene	24.057	252	369110m	17.60	ng	
89) Benzo(k)fluoranthene	24.116	252	110872m	5.60	ng	
90) Benzo(a)pyrene	24.956	252	249593m	13.05	ng	
91) Dibenzo(a,h)anthracene	28.981	278	47120	2.43	ng	# 94
92) Benzo(g,h,i)perylene	30.103	276	157650m	8.39	ng	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032321\
Data File : BG048474.D
Acq On : 23 Mar 2021 17:50
Operator : CG/JU
Sample : M1746-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

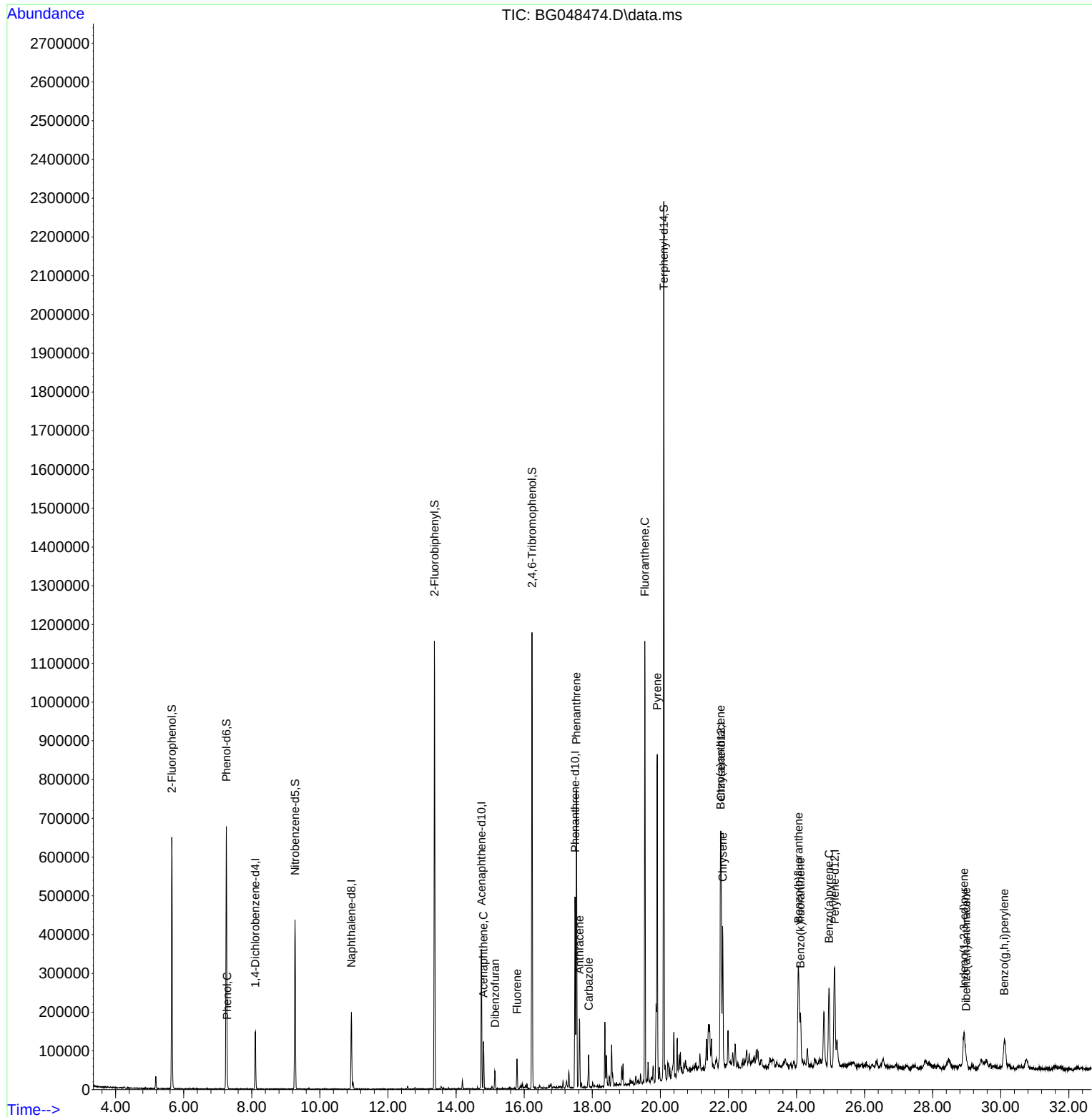
Instrument :
BNA_G
ClientSampleId :
COMP-4

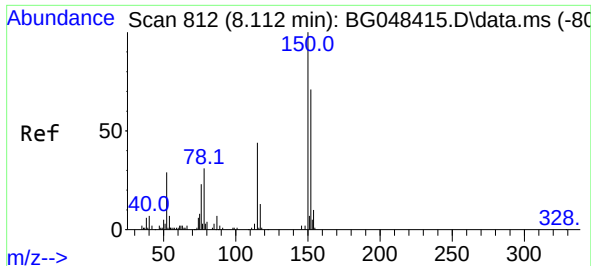
Manual Integrations
APPROVED

mohammad

3/24/2021 1:32:29 PM

Quant Time: Mar 23 18:42:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 22 11:22:24 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.105 min Scan# 811
Delta R.T. 0.002 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

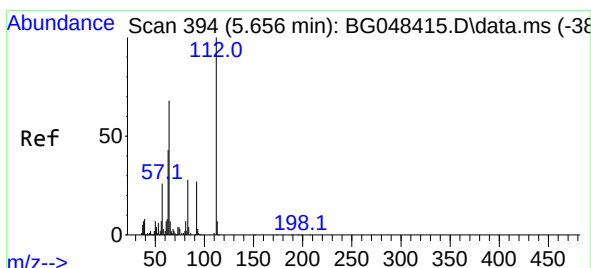
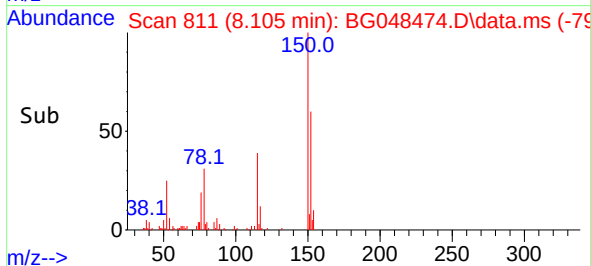
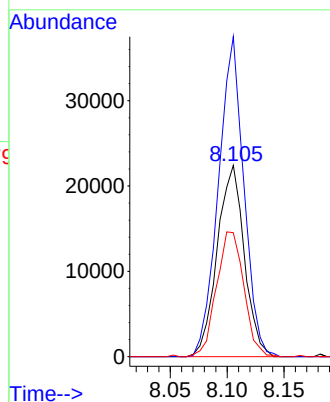
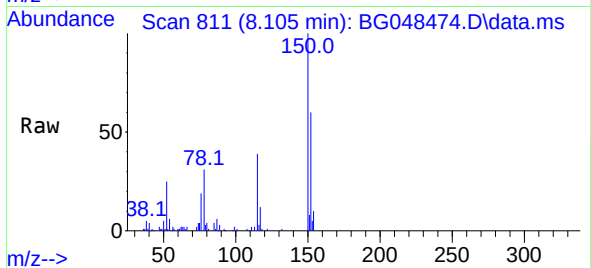
Tgt Ion:152 Resp: 37104
Ion Ratio Lower Upper
152 100
150 167.3 125.0 187.6
115 64.9 41.8 62.6#

Instrument :
BNA_G
ClientSampled :
COMP-4

Manual Integrations
APPROVED

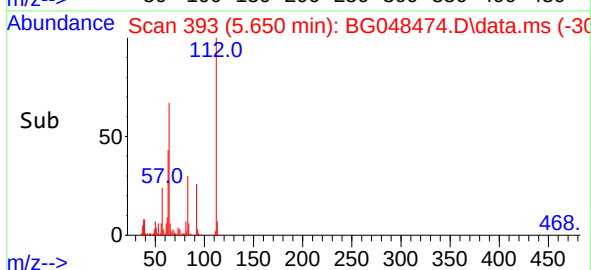
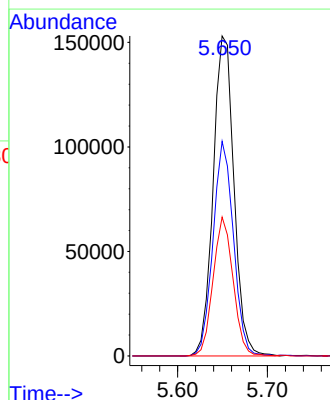
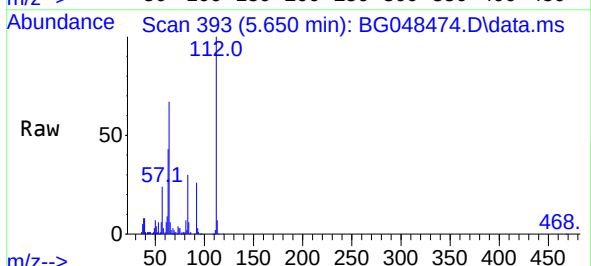
mohammad

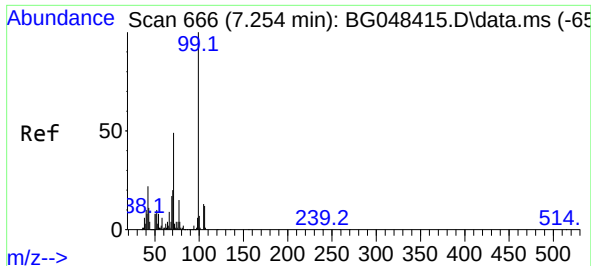
3/24/2021 1:32:29 PM



#5
2-Fluorophenol
Concen: 109.74 ng
RT: 5.650 min Scan# 393
Delta R.T. 0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:112 Resp: 246231
Ion Ratio Lower Upper
112 100
64 67.1 46.7 70.1
63 43.4 22.8 34.2#





#7
Phenol-d6
Concen: 103.96 ng
RT: 7.254 min Scan# 666
Delta R.T. 0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

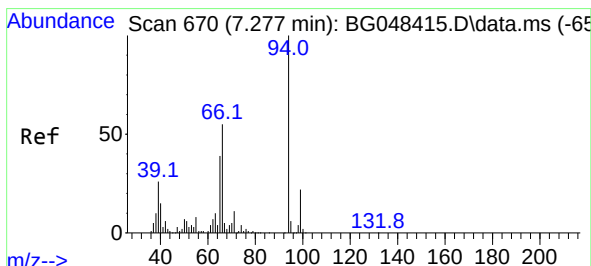
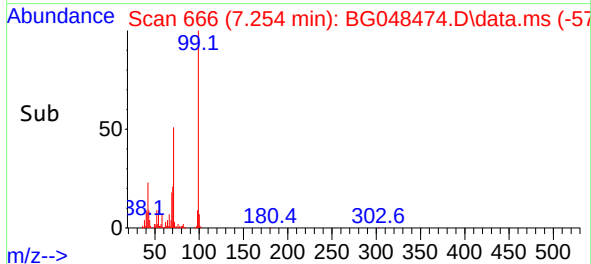
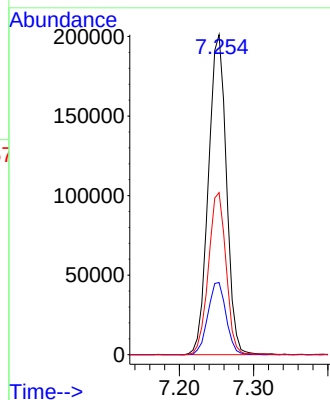
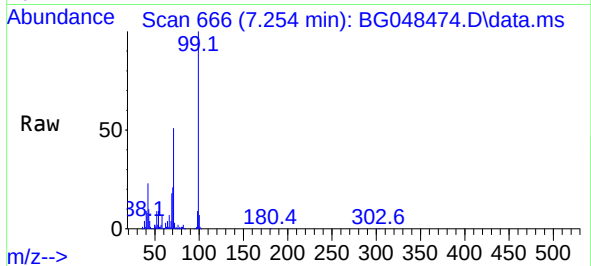
Tgt Ion: 99 Resp: 339414
Ion Ratio Lower Upper
99 100
42 22.5 12.8 19.2#
71 50.7 24.6 36.8#

Instrument :
BNA_G
ClientSampleId :
COMP-4

Manual Integrations
APPROVED

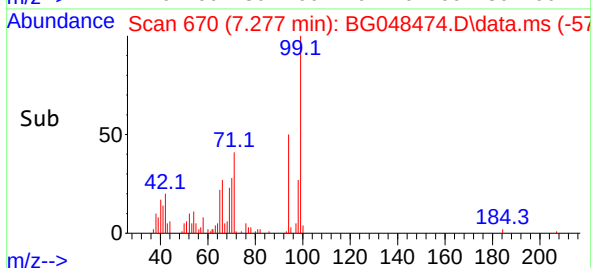
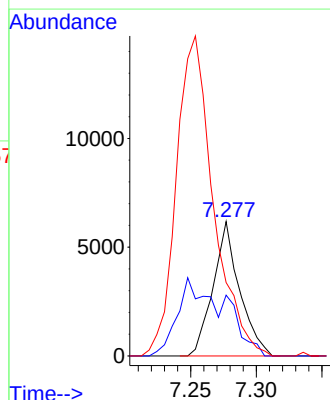
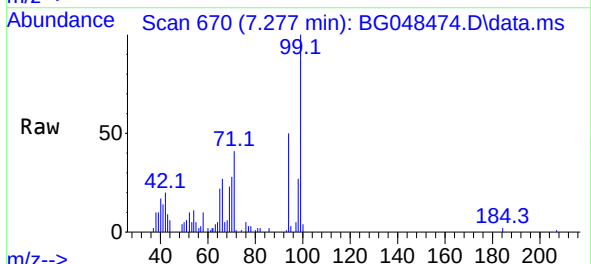
mohammad

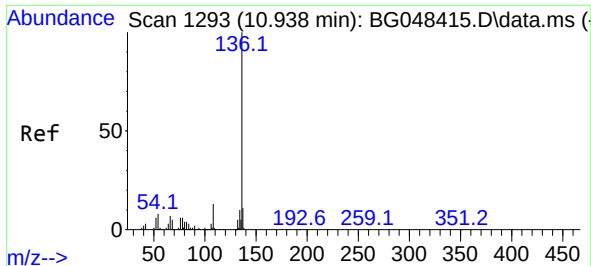
3/24/2021 1:32:29 PM



#10
Phenol
Concen: 2.59 ng
RT: 7.277 min Scan# 670
Delta R.T. 0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion: 94 Resp: 8656
Ion Ratio Lower Upper
94 100
65 45.3 6.6 46.6
66 54.6 13.9 53.9#





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.926 min Scan# 1291
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

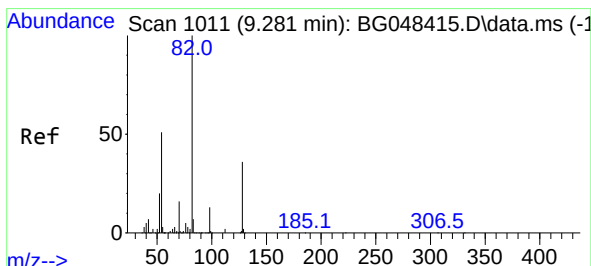
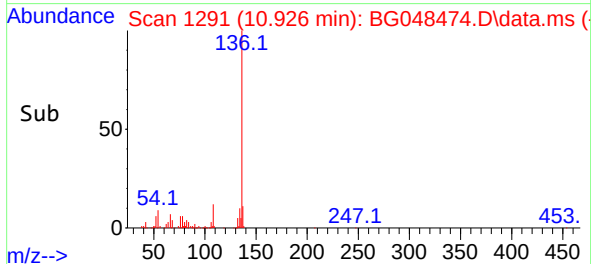
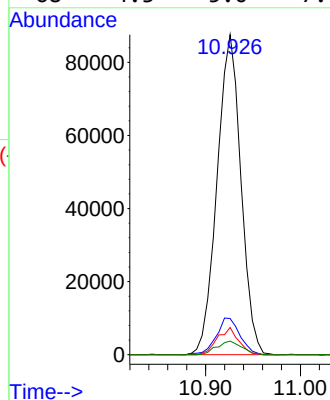
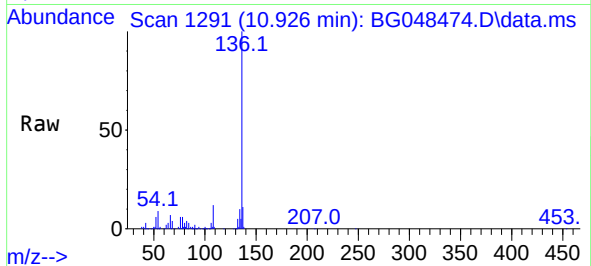
Tgt Ion: 136 Resp: 153070
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.5 6.2 9.4
68 4.3 5.0 7.4#

Instrument :
BNA_G
ClientSampled :
COMP-4

Manual Integrations
APPROVED

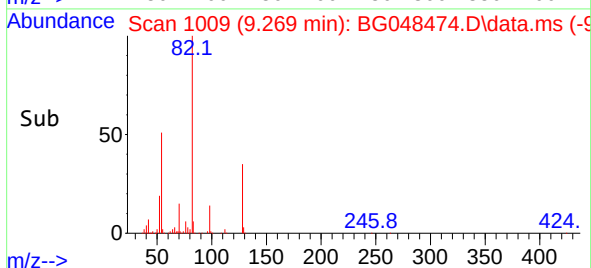
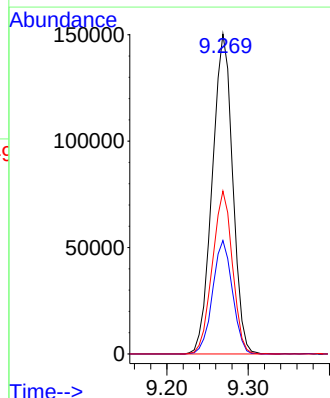
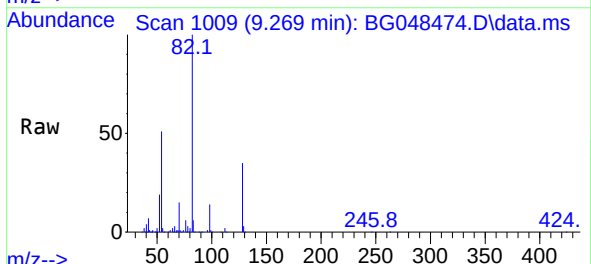
mohammad

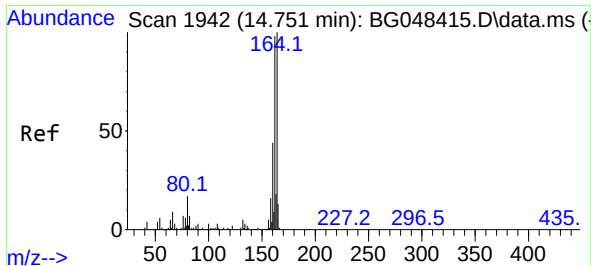
3/24/2021 1:32:29 PM



#23
Nitrobenzene-d5
Concen: 68.51 ng
RT: 9.269 min Scan# 1009
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

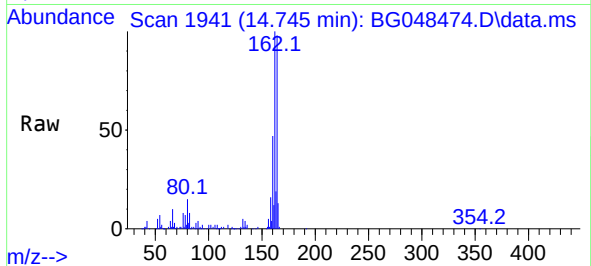
Tgt Ion: 82 Resp: 262267
Ion Ratio Lower Upper
82 100
128 35.5 37.0 55.6#
54 50.9 39.0 58.4





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.745 min Scan# 1941
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Instrument :
BNA_G
ClientSampleId :
COMP-4

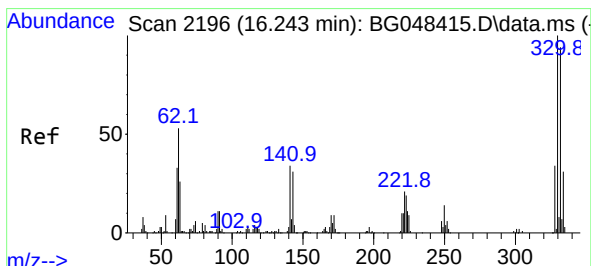
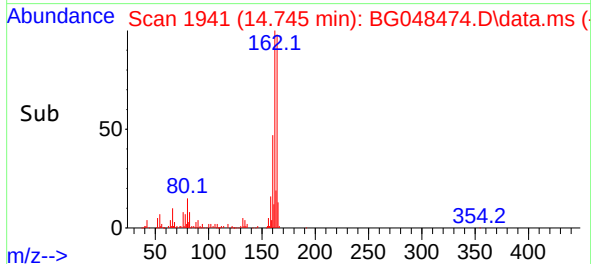
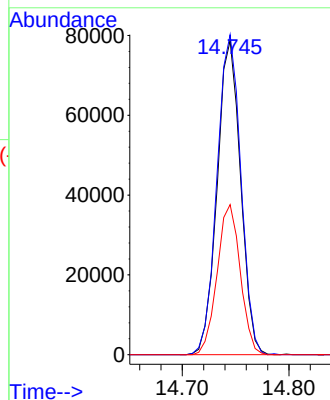


Tgt Ion:164 Resp: 119673
Ion Ratio Lower Upper
164 100
162 101.9 82.3 123.5
160 47.8 35.3 52.9

Manual Integrations
APPROVED

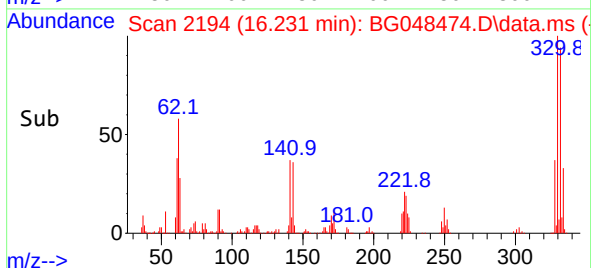
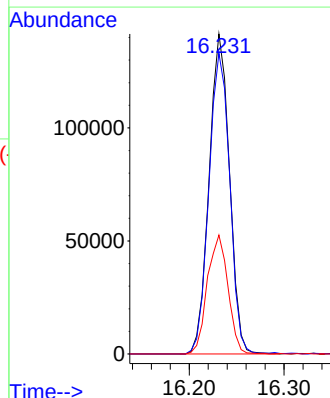
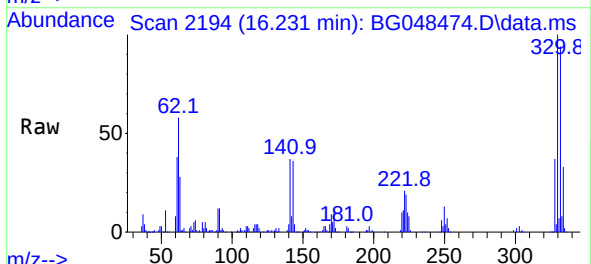
mohammad

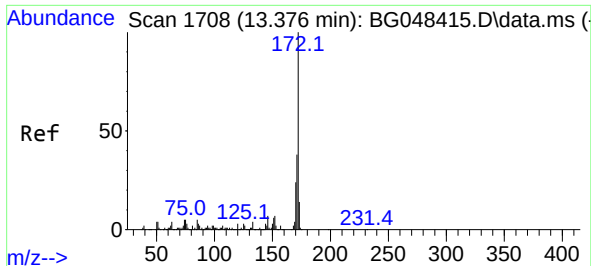
3/24/2021 1:32:29 PM



#42
2,4,6-Tribromophenol
Concen: 108.57 ng
RT: 16.231 min Scan# 2194
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:330 Resp: 211311
Ion Ratio Lower Upper
330 100
332 95.9 76.5 114.7
141 37.6 26.0 39.0





#45
2-Fluorobiphenyl
Concen: 65.24 ng
RT: 13.364 min Scan# 1706
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

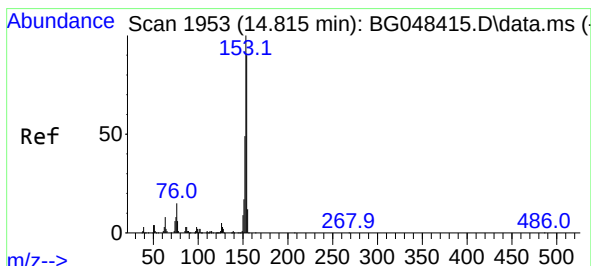
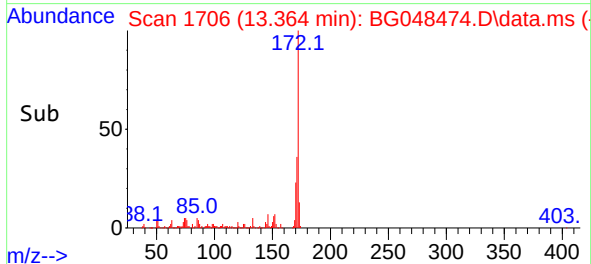
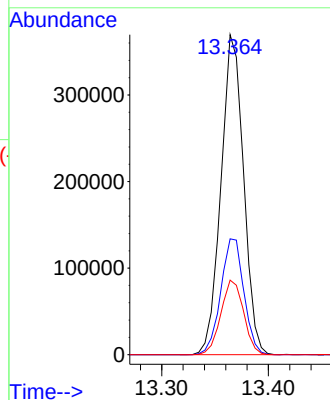
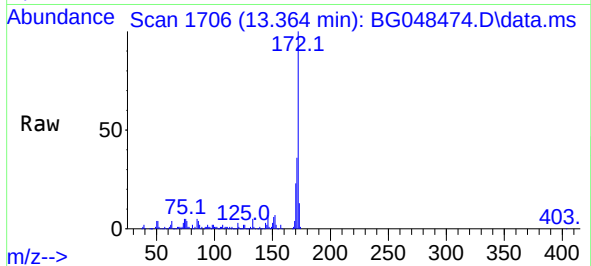
Tgt Ion:	172	Resp:	542764
Ion Ratio	Lower	Upper	
172	100		
171	36.2	31.3	46.9
170	23.3	20.8	31.2

Instrument :
BNA_G
ClientSampled :
COMP-4

Manual Integrations
APPROVED

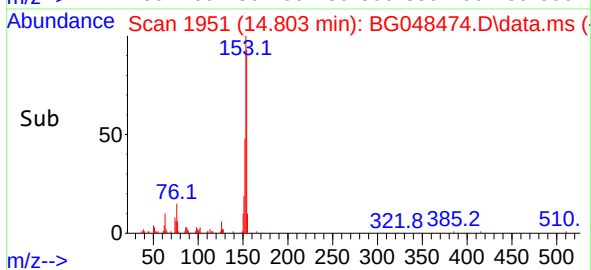
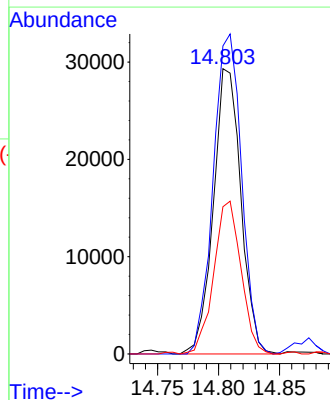
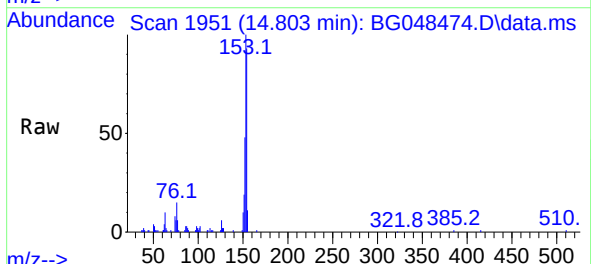
mohammad

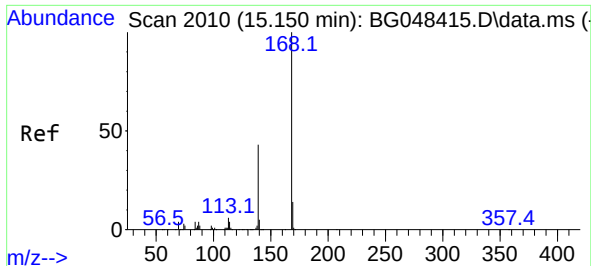
3/24/2021 1:32:29 PM



#52
Acenaphthene
Concen: 6.12 ng
RT: 14.803 min Scan# 1951
Delta R.T. -0.009 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:	154	Resp:	46090
Ion Ratio	Lower	Upper	
154	100		
153	108.0	90.3	135.5
152	51.6	43.8	65.8





#55
Dibenzofuran
Concen: 2.37 ng
RT: 15.144 min Scan# 2009
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

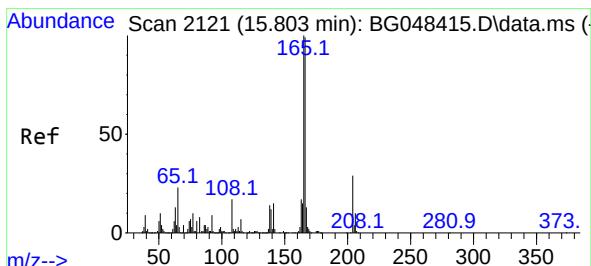
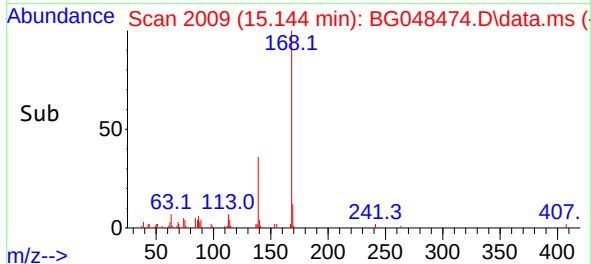
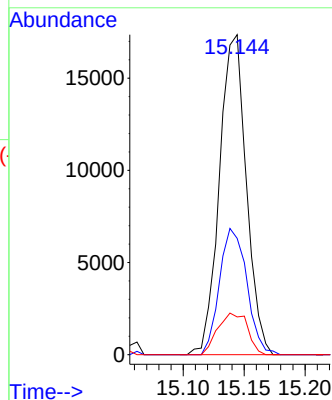
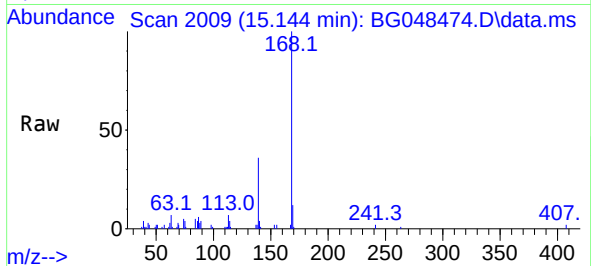
Tgt Ion:168 Resp: 26636
Ion Ratio Lower Upper
168 100
139 36.4 28.6 43.0
169 11.8 11.0 16.6

Instrument :
BNA_G
ClientSampled :
COMP-4

Manual Integrations
APPROVED

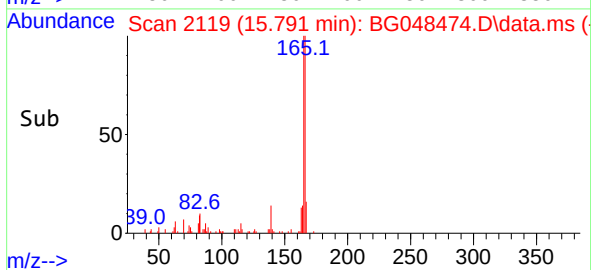
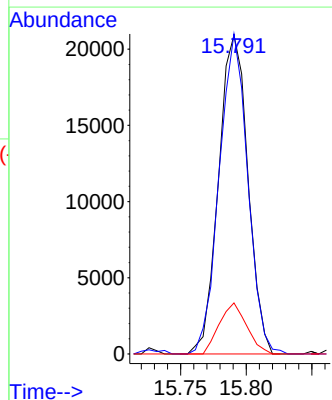
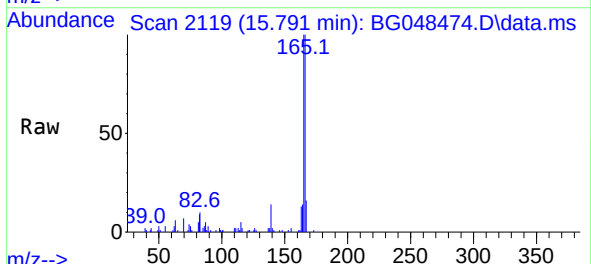
mohammad

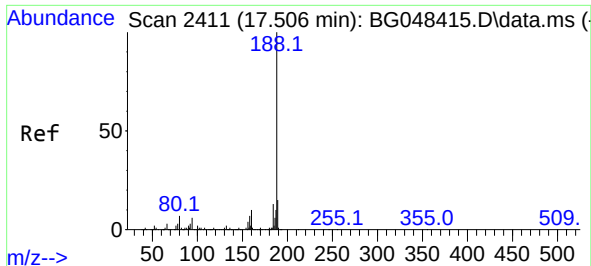
3/24/2021 1:32:29 PM



#58
Fluorene
Concen: 3.45 ng
RT: 15.791 min Scan# 2119
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:166 Resp: 32474
Ion Ratio Lower Upper
166 100
165 100.3 77.2 115.8
167 16.0 11.4 17.2





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.494 min Scan# 2409
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

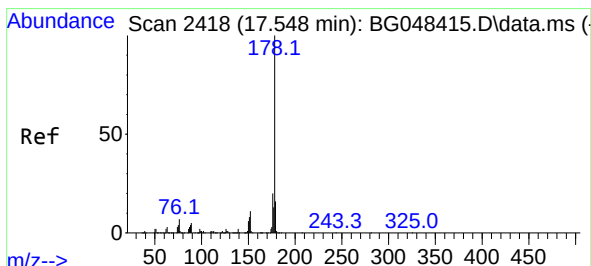
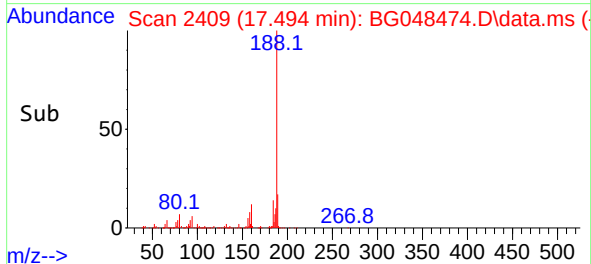
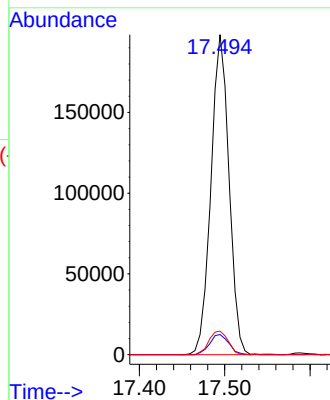
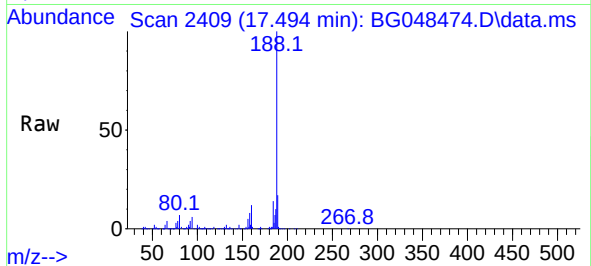
Tgt Ion:188 Resp: 291906
Ion Ratio Lower Upper
188 100
94 6.3 6.3 9.5#
80 7.3 7.0 10.6

Instrument :
BNA_G
ClientSampleId :
COMP-4

Manual Integrations
APPROVED

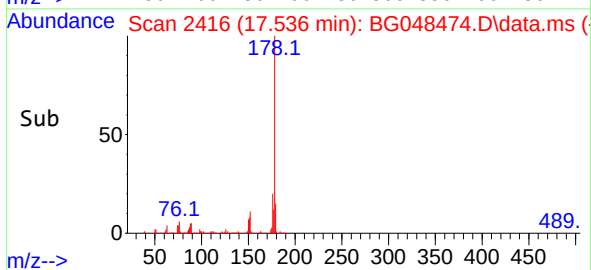
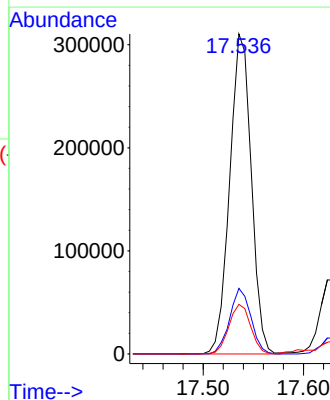
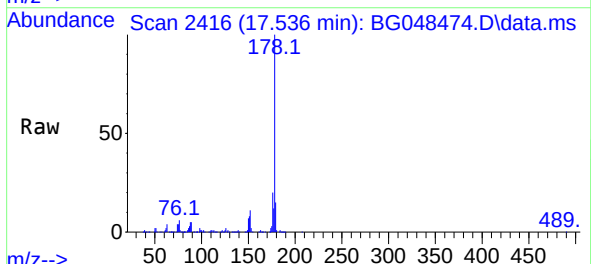
mohammad

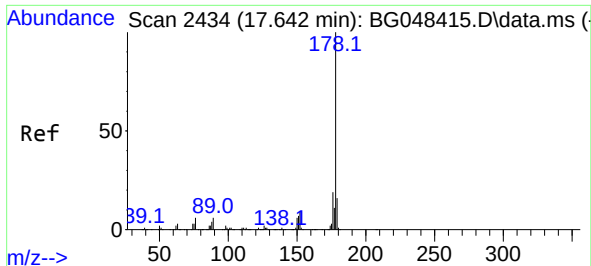
3/24/2021 1:32:29 PM



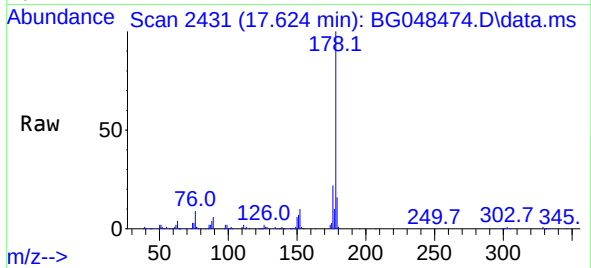
#71
Phenanthrene
Concen: 30.00 ng
RT: 17.536 min Scan# 2416
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:178 Resp: 462638
Ion Ratio Lower Upper
178 100
176 20.5 16.7 25.1
179 15.5 14.0 21.0

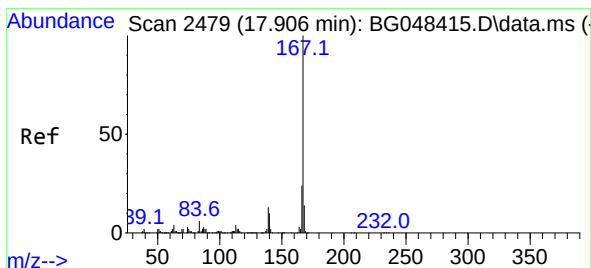
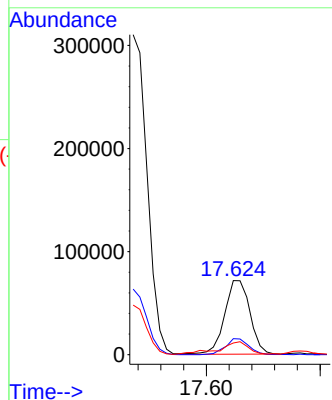
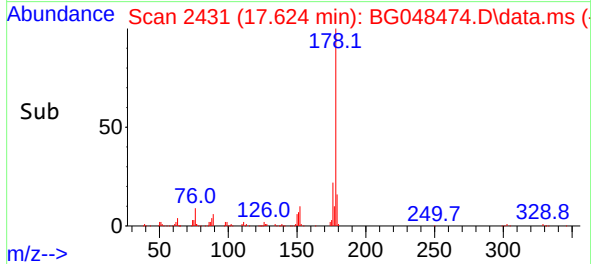




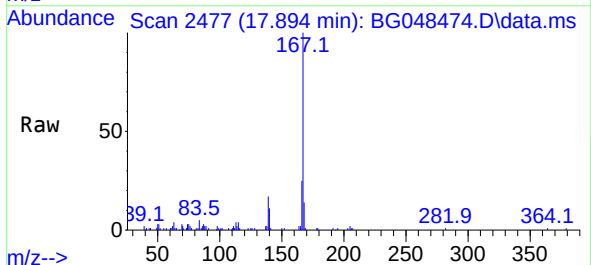
#72
 Anthracene
 Concen: 7.20 ng
 RT: 17.624 min Scan# 2431
 Delta R.T. -0.009 min
 Lab File: BG048474.D
 Acq: 23 Mar 2021 17:50



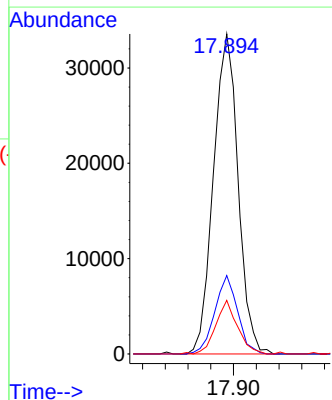
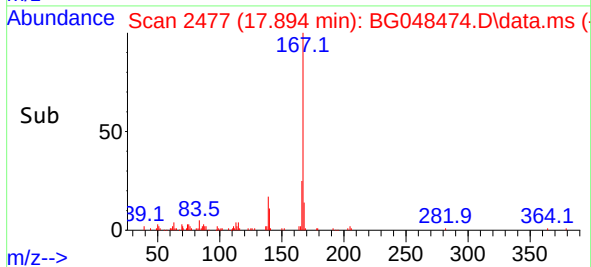
Tgt Ion:178 Resp: 110205
 Ion Ratio Lower Upper
 178 100
 176 21.6 16.4 24.6
 179 15.9 13.8 20.6



#73
 Carbazole
 Concen: 3.46 ng
 RT: 17.894 min Scan# 2477
 Delta R.T. -0.003 min
 Lab File: BG048474.D
 Acq: 23 Mar 2021 17:50



Tgt Ion:167 Resp: 50458
 Ion Ratio Lower Upper
 167 100
 166 24.5 18.7 28.1
 139 16.8 9.6 14.4#

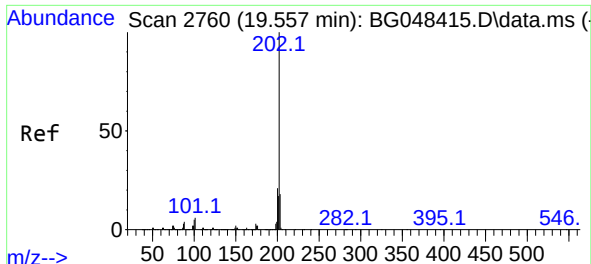


Instrument :
 BNA_G
 ClientSampled :
 COMP-4

Manual Integrations
 APPROVED

mohammad

3/24/2021 1:32:29 PM



#75
Fluoranthene
Concen: 34.28 ng
RT: 19.545 min Scan# 2758
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

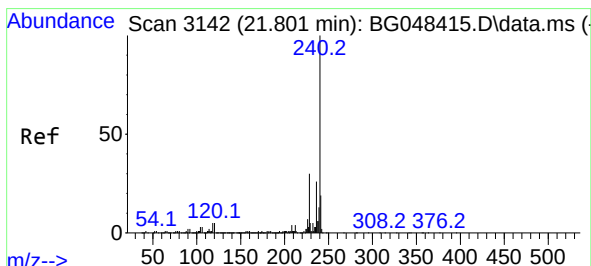
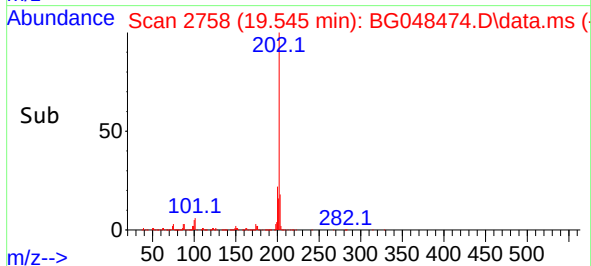
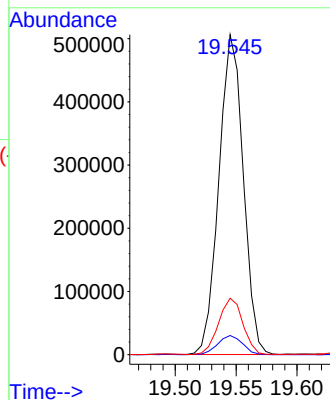
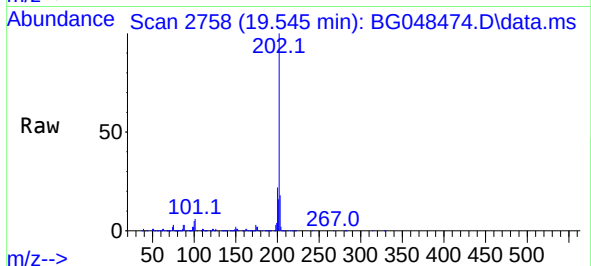
Tgt Ion:	202	Resp:	703861
Ion Ratio	Lower	Upper	
202	100		
101	6.0	0.0	29.7
203	17.6	0.0	39.2

Instrument :
BNA_G
ClientSampled :
COMP-4

Manual Integrations
APPROVED

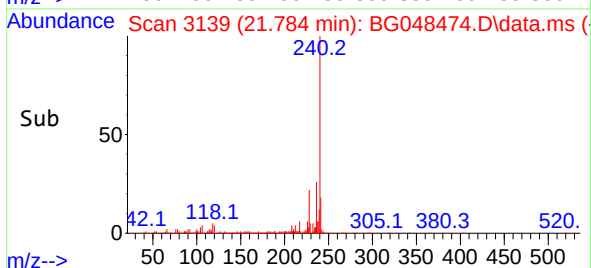
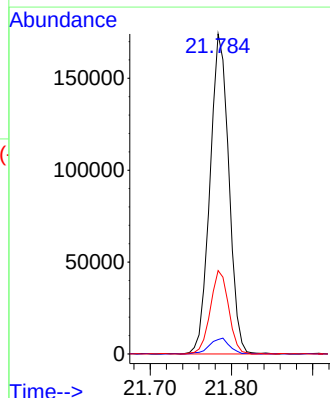
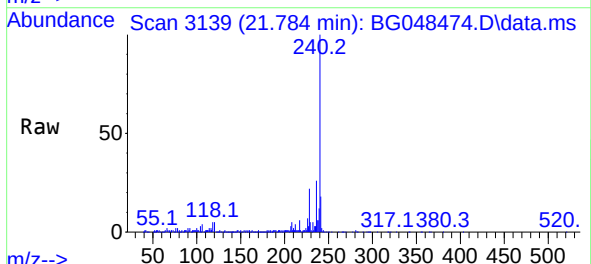
mohammad

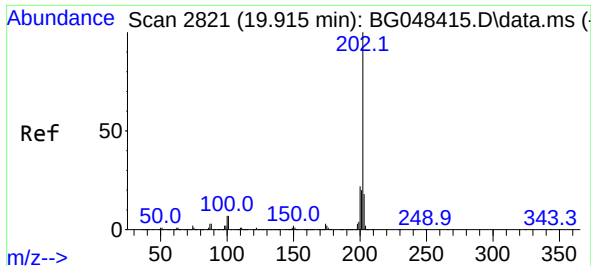
3/24/2021 1:32:29 PM



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.784 min Scan# 3139
Delta R.T. -0.009 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:	240	Resp:	280601
Ion Ratio	Lower	Upper	
240	100		
120	4.5	6.2	9.4#
236	26.1	20.5	30.7





#78
Pyrene
Concen: 29.03 ng
RT: 19.909 min Scan# 2820
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

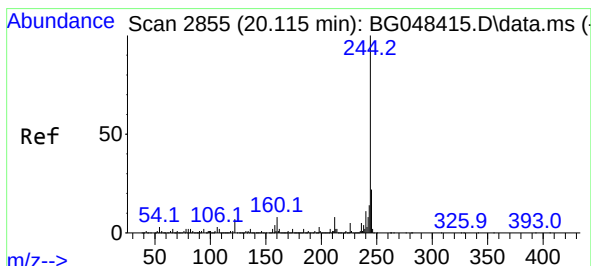
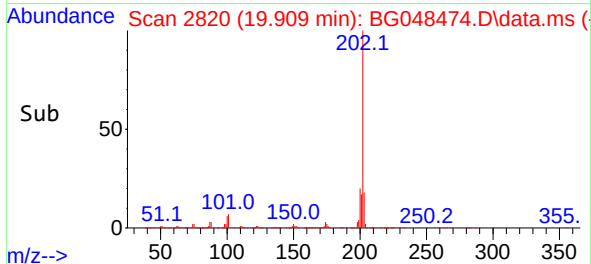
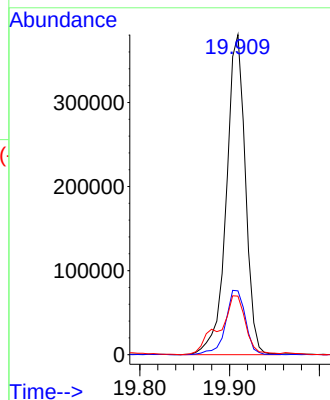
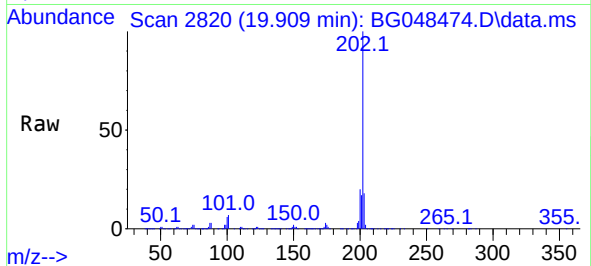
Tgt Ion:	202	Resp:	559541
Ion Ratio	Lower	Upper	
202	100		
200	20.0	18.6	27.8
203	18.3	15.3	22.9

Instrument :
BNA_G
ClientSampled :
COMP-4

Manual Integrations
APPROVED

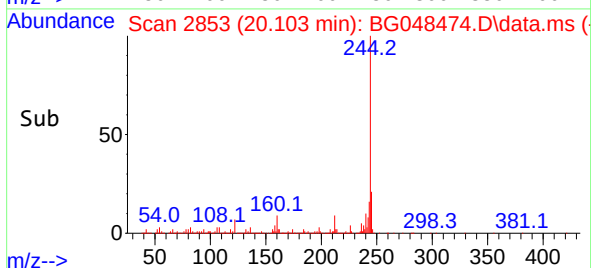
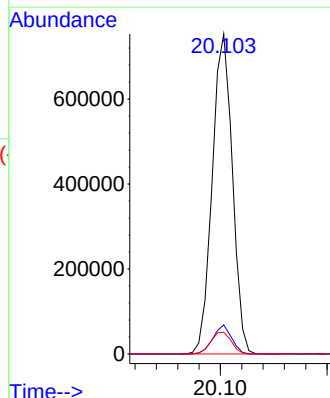
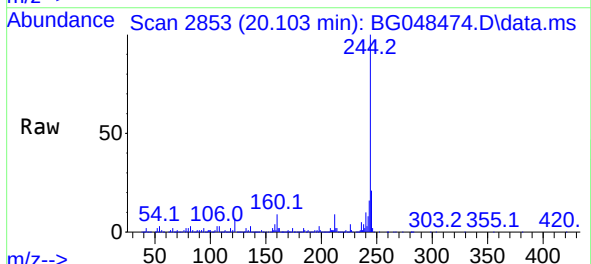
mohammad

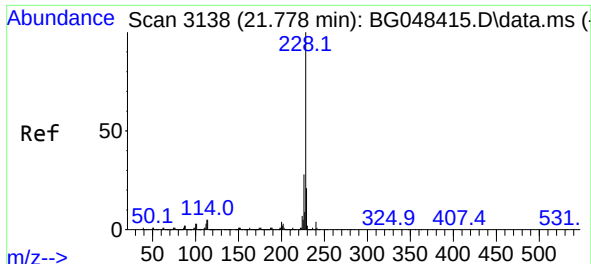
3/24/2021 1:32:29 PM



#79
Terphenyl-d14
Concen: 63.38 ng
RT: 20.103 min Scan# 2853
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

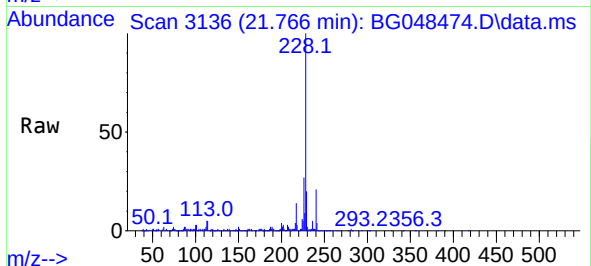
Tgt Ion:	244	Resp:	986088
Ion Ratio	Lower	Upper	
244	100		
212	9.1	6.7	10.1
122	6.8	7.8	11.6#





#81
Benzo(a)anthracene
Concen: 15.27 ng
RT: 21.766 min Scan# 3136
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Instrument :
BNA_G
ClientSampled :
COMP-4

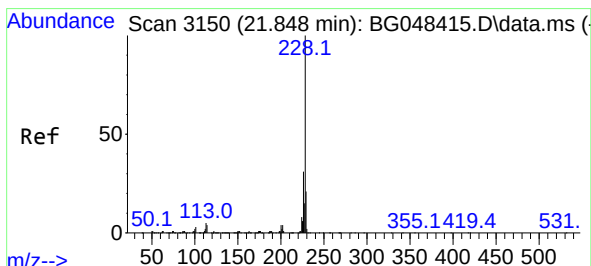
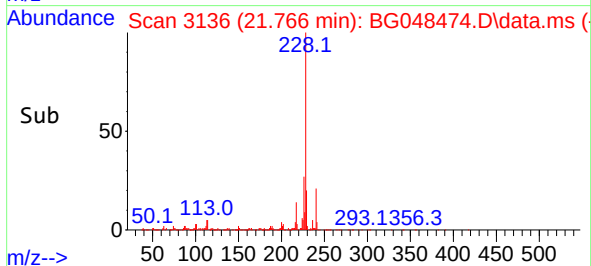
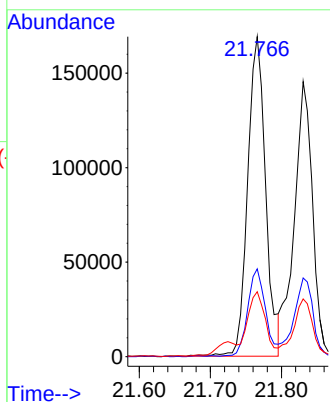


Tgt Ion:228 Resp: 297270
Ion Ratio Lower Upper
228 100
226 27.5 23.3 34.9
229 20.3 17.4 26.0

Manual Integrations
APPROVED

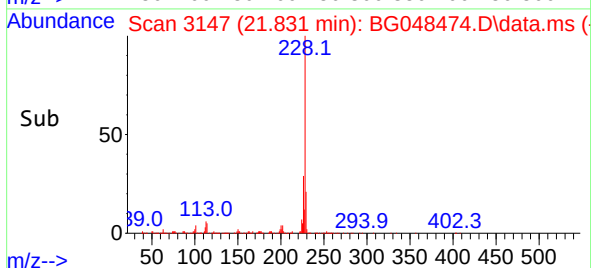
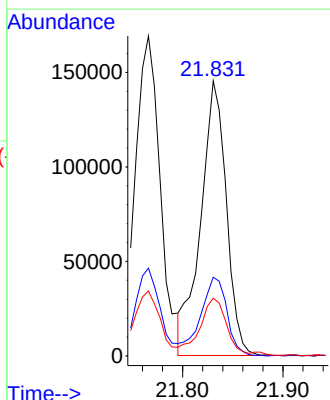
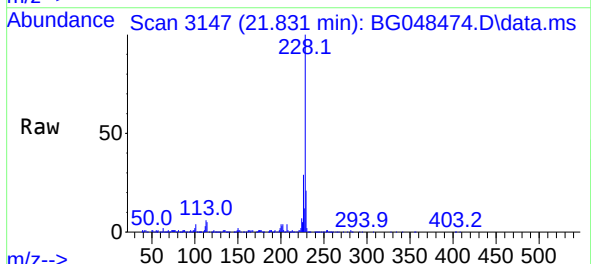
mohammad

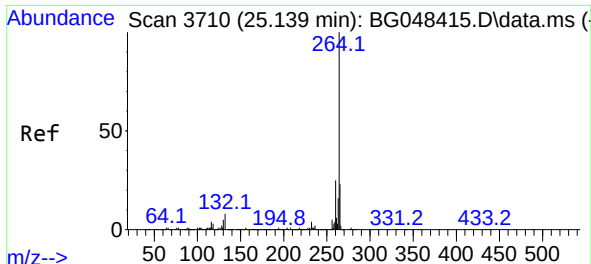
3/24/2021 1:32:29 PM



#83
Chrysene
Concen: 13.82 ng
RT: 21.831 min Scan# 3147
Delta R.T. -0.009 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:228 Resp: 257932
Ion Ratio Lower Upper
228 100
226 28.6 25.0 37.4
229 21.0 17.3 25.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.121 min Scan# 3707
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

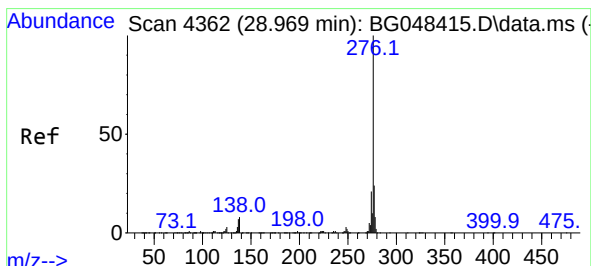
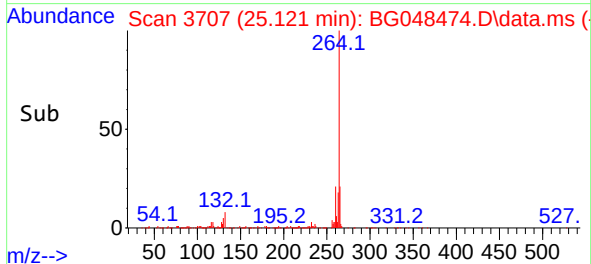
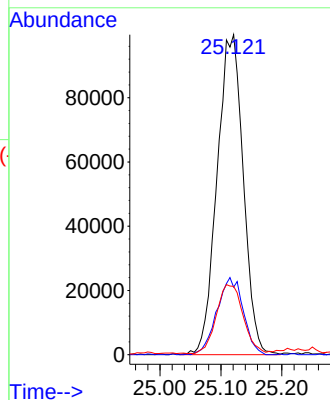
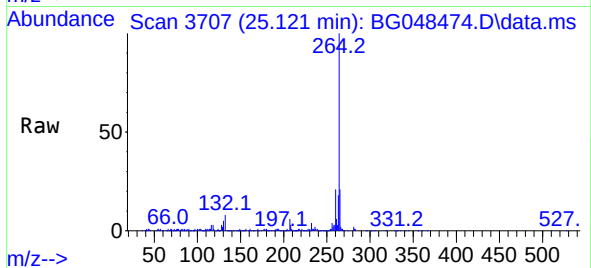
Tgt Ion:	264	Resp:	297549
Ion Ratio	Lower	Upper	
264	100		
260	21.1	18.8	28.2
265	21.4	17.8	26.8

Instrument :
BNA_G
ClientSampled :
COMP-4

Manual Integrations
APPROVED

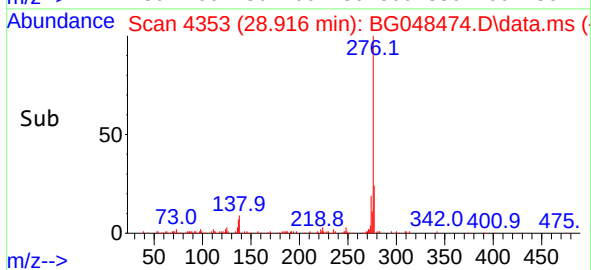
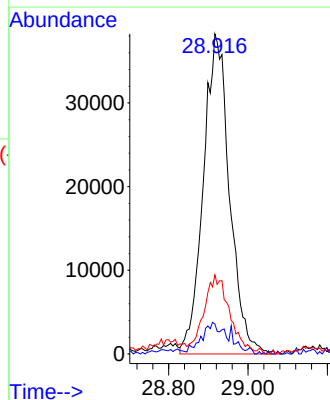
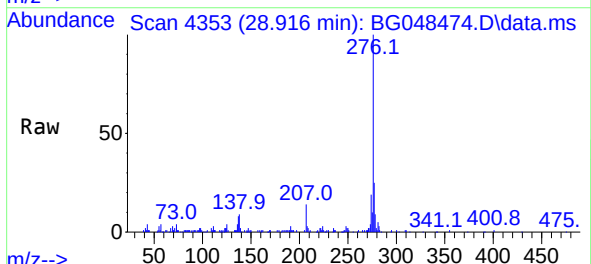
mohammad

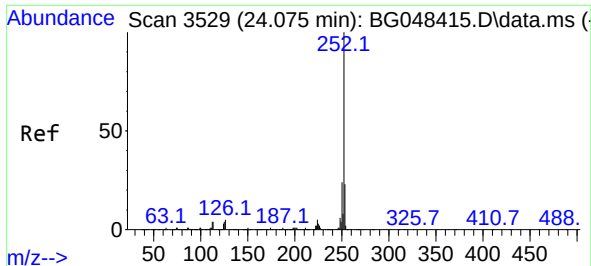
3/24/2021 1:32:29 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.75 ng
RT: 28.916 min Scan# 4353
Delta R.T. -0.033 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:	276	Resp:	175814
Ion Ratio	Lower	Upper	
276	100		
138	5.4	16.2	24.2#
277	22.8	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 17.60 ng m
RT: 24.057 min Scan# 3526
Delta R.T. -0.003 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

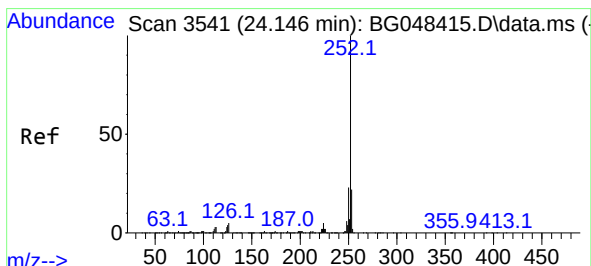
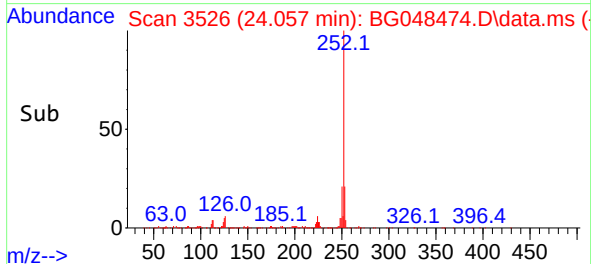
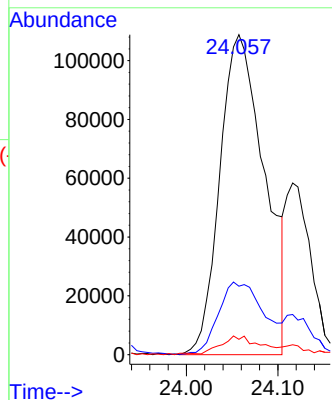
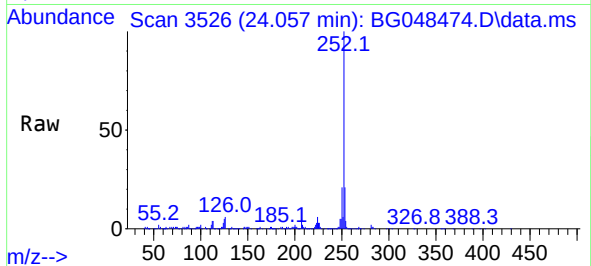
Tgt Ion:252 Resp: 369110
Ion Ratio Lower Upper
252 100
253 21.4 18.7 28.1
125 4.8 6.5 9.7#

Instrument :
BNA_G
ClientSampled :
COMP-4

Manual Integrations
APPROVED

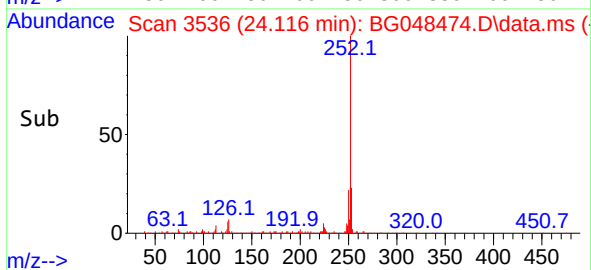
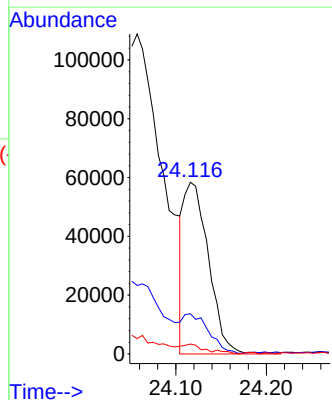
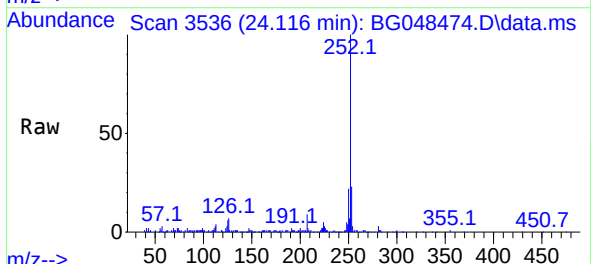
mohammad

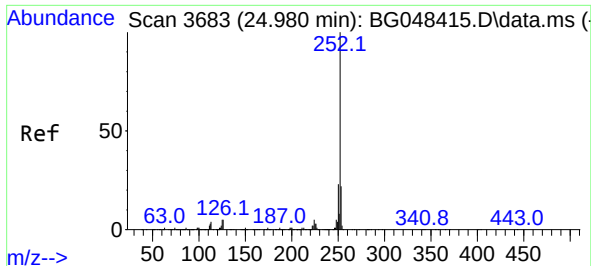
3/24/2021 1:32:29 PM



#89
Benzo(k)fluoranthene
Concen: 5.60 ng m
RT: 24.116 min Scan# 3536
Delta R.T. -0.015 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:252 Resp: 110872
Ion Ratio Lower Upper
252 100
253 23.4 18.6 27.8
125 5.8 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 13.05 ng m
RT: 24.956 min Scan# 3679
Delta R.T. -0.015 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

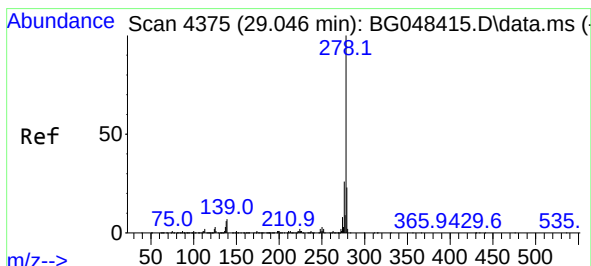
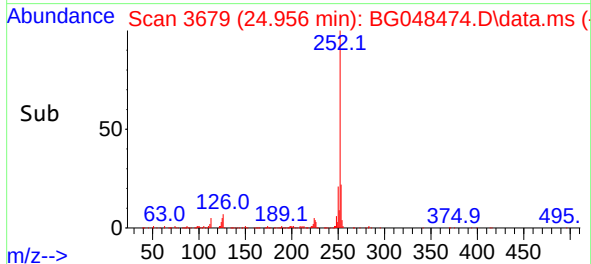
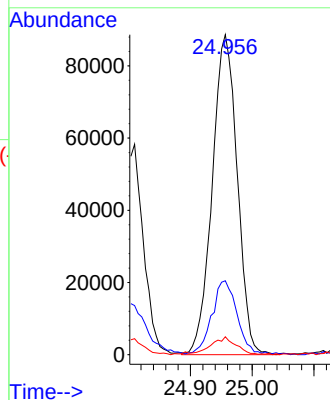
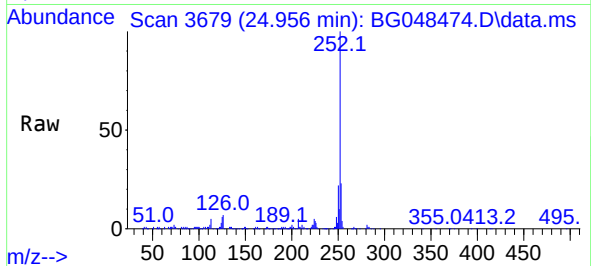
Tgt Ion:252 Resp: 249593
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 5.6 7.0 10.4#

Instrument :
BNA_G
ClientSampled :
COMP-4

Manual Integrations
APPROVED

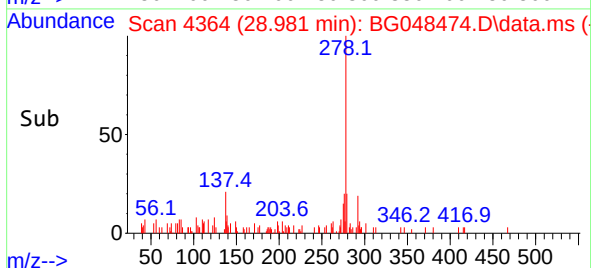
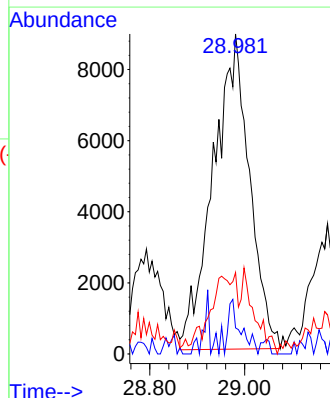
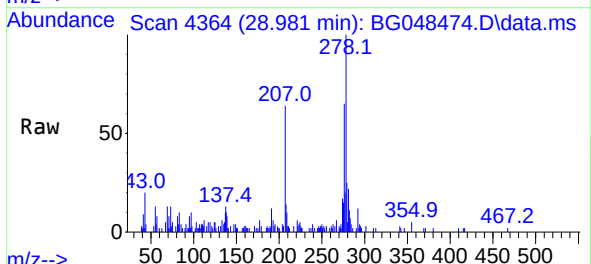
mohammad

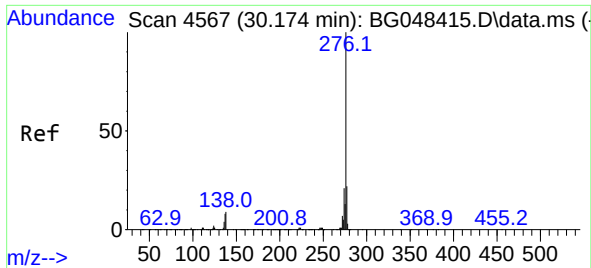
3/24/2021 1:32:29 PM



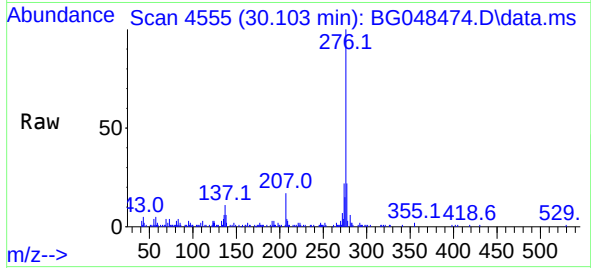
#91
Dibenzo(a,h)anthracene
Concen: 2.43 ng
RT: 28.981 min Scan# 4364
Delta R.T. -0.038 min
Lab File: BG048474.D
Acq: 23 Mar 2021 17:50

Tgt Ion:278 Resp: 47120
Ion Ratio Lower Upper
278 100
139 8.1 10.5 15.7#
279 25.5 19.4 29.0

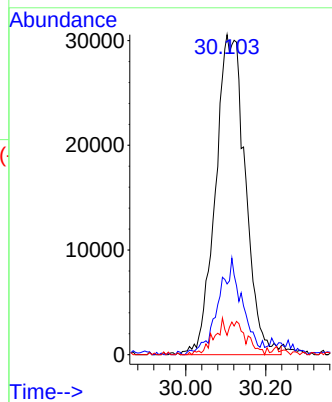
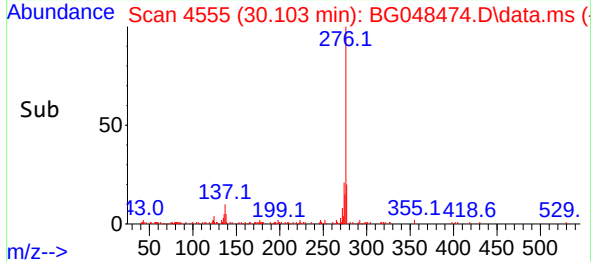




#92
 Benzo(g,h,i)perylene
 Concen: 8.39 ng m
 RT: 30.103 min Scan# 4555
 Delta R.T. -0.044 min
 Lab File: BG048474.D
 Acq: 23 Mar 2021 17:50



Tgt Ion: 276 Resp: 157650
 Ion Ratio Lower Upper
 276 100
 277 22.1 19.6 29.4
 138 6.1 13.4 20.2#



Instrument :
 BNA_G
 ClientSampleId :
 COMP-4

Manual Integrations
 APPROVED

mohammad

3/24/2021 1:32:29 PM