

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041922\
 Data File : BG053207.D
 Acq On : 19 Apr 2022 22:29
 Operator : CG/JU
 Sample : N2464-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-03-041822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/20/2022
 Supervised By : Jagrut Upadhyay 04/20/2022

Quant Time: Apr 20 05:43:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.123	152	38282	20.000	ng	0.00
21) Naphthalene-d8	10.931	136	165940	20.000	ng	# 0.00
39) Acenaphthene-d10	14.744	164	111441	20.000	ng	0.00
64) Phenanthrene-d10	17.487	188	213960	20.000	ng	0.00
76) Chrysene-d12	21.775	240	192468	20.000	ng	0.00
86) Perylene-d12	25.083	264	200218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.685	112	40042	17.930	ng	0.00
7) Phenol-d6	7.277	99	60909	17.686	ng	0.00
23) Nitrobenzene-d5	9.281	82	43696	10.692	ng	0.00
42) 2,4,6-Tribromophenol	16.230	330	26700	15.059	ng	0.00
45) 2-Fluorobiphenyl	13.363	172	104345	12.911	ng	0.00
79) Terphenyl-d14	20.084	244	134599	11.811	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	15.784	166	17571	2.044	ng	85
71) Phenanthrene	17.528	178	137398	11.757	ng	100
72) Anthracene	17.616	178	35414	3.059	ng	95
75) Fluoranthene	19.537	202	198290	13.236	ng	99
78) Pyrene	19.896	202	177172	12.925	ng	97
81) Benzo(a)anthracene	21.752	228	82144	6.242	ng	96
83) Chrysene	21.817	228	76158m	6.236	ng	
87) Indeno(1,2,3-cd)pyrene	28.848	276	32907m	2.212	ng	
88) Benzo(b)fluoranthene	24.031	252	94670	7.494	ng	# 93
89) Benzo(k)fluoranthene	24.090	252	39001m	3.141	ng	
90) Benzo(a)pyrene	24.918	252	70308	6.533	ng	# 91
92) Benzo(g,h,i)perylene	30.052	276	31792m	2.635	ng	

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

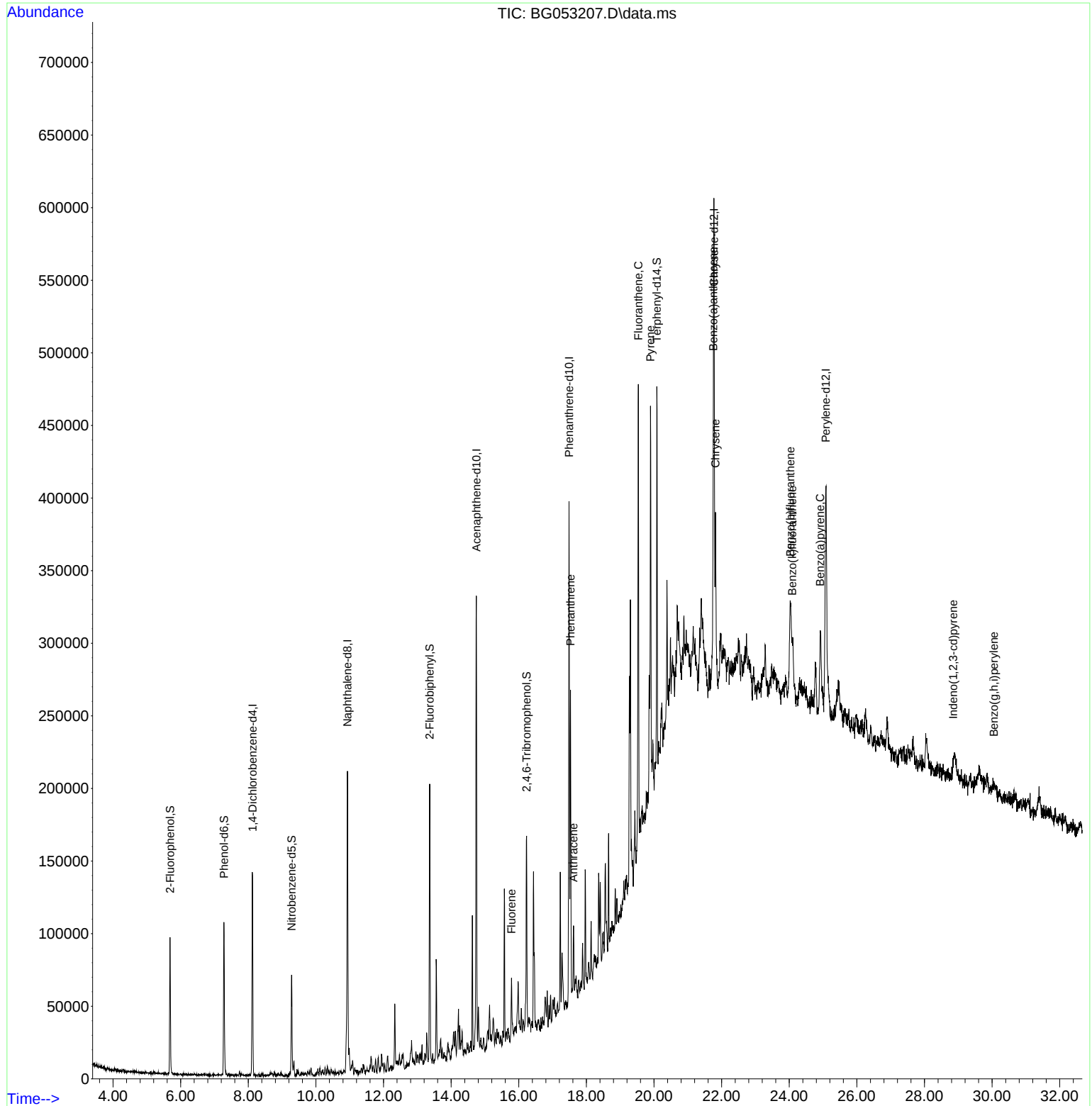
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041922\
Data File : BG053207.D
Acq On : 19 Apr 2022 22:29
Operator : CG/JU
Sample : N2464-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

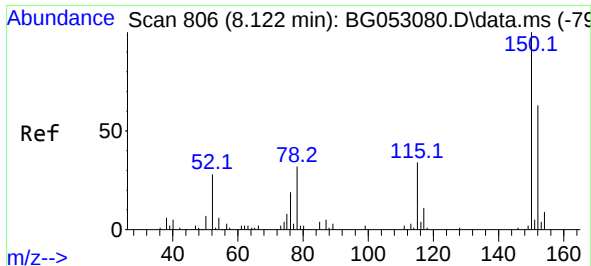
Instrument :
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Quant Time: Apr 20 05:43:35 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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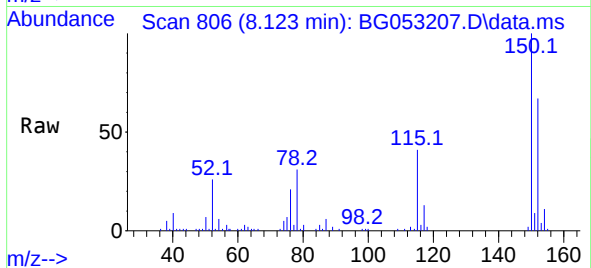
Reviewed By : Christian Giraldo 04/20/2022
Supervised By : Jagrut Upadhyay 04/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.123 min Scan# 806
Delta R.T. 0.001 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

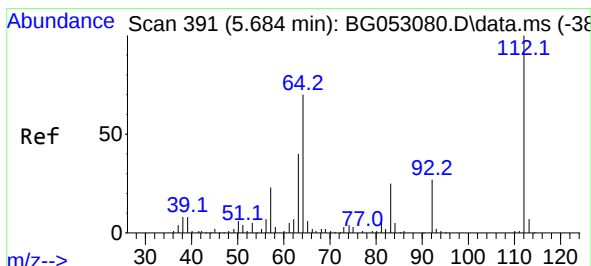
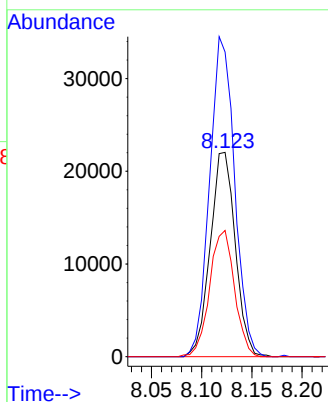
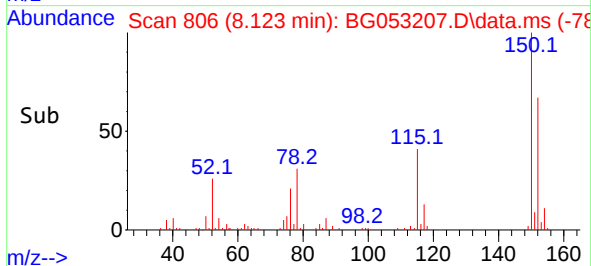
Instrument :
BNA_G
ClientSampleId :
OK-03-041822



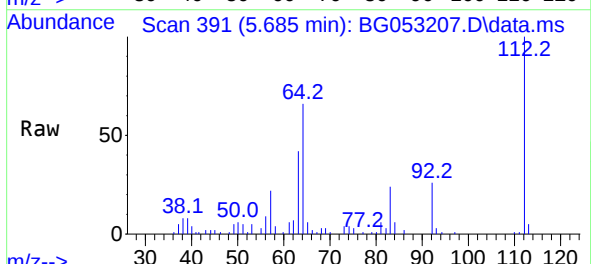
Tgt Ion:152 Resp: 3828
Ion Ratio Lower Upper
152 100
150 149.1 114.6 172.0
115 61.8 45.9 68.9

Manual Integrations
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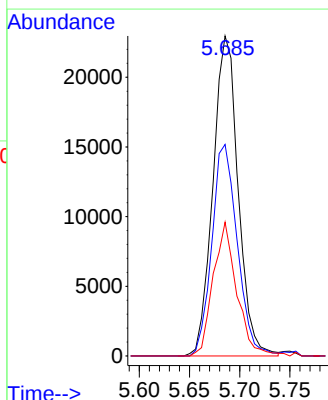
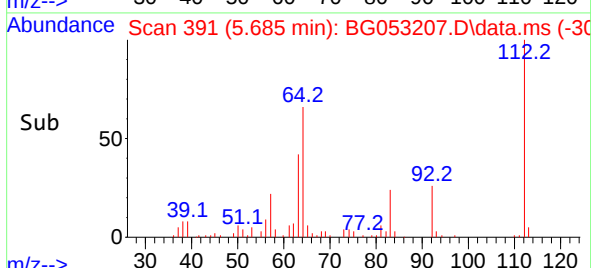
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022

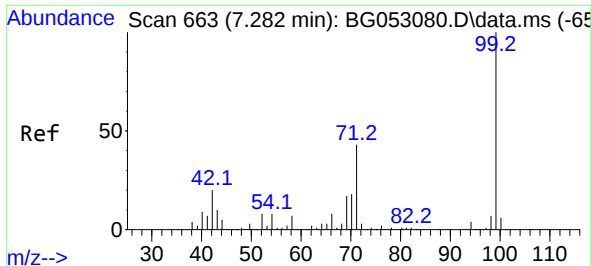


#5
2-Fluorophenol
Concen: 17.930 ng
RT: 5.685 min Scan# 391
Delta R.T. 0.001 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29



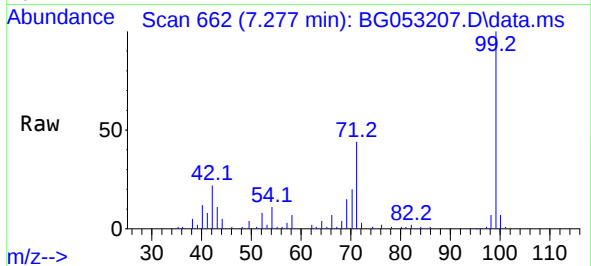
Tgt Ion:112 Resp: 40042
Ion Ratio Lower Upper
112 100
64 66.1 48.0 72.0
63 41.8 26.5 39.7#





#7
Phenol-d6
Concen: 17.686 ng
RT: 7.277 min Scan# 60909
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Instrument :
BNA_G
ClientSampleId :
OK-03-041822

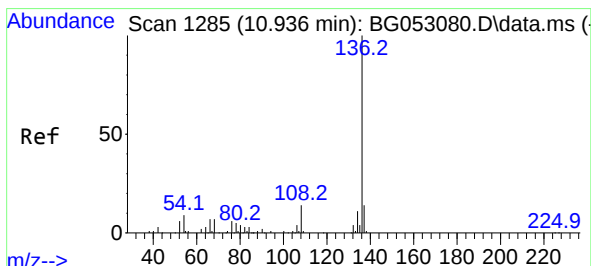
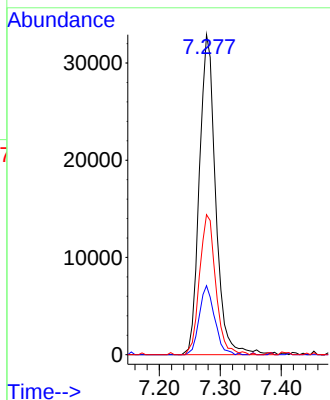
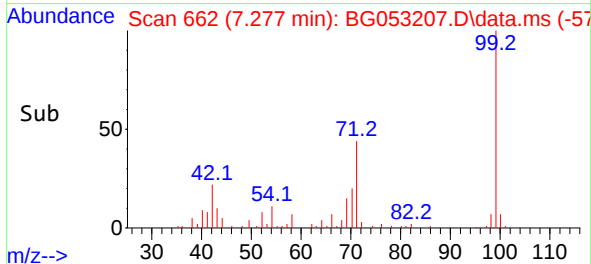


Tgt Ion: 99 Resp: 60909

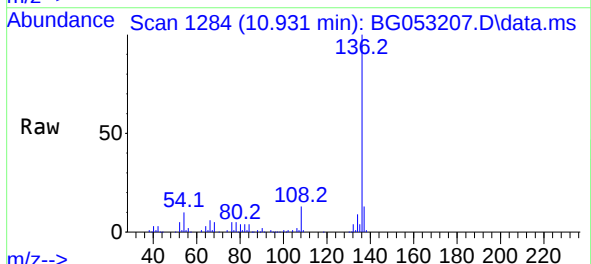
Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.7	22.1
71	43.8	29.2	43.8

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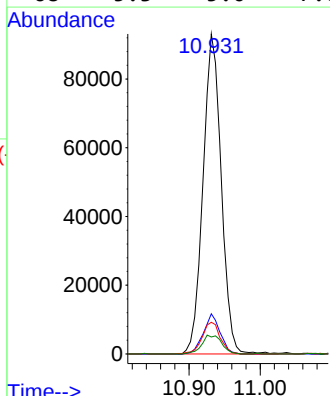
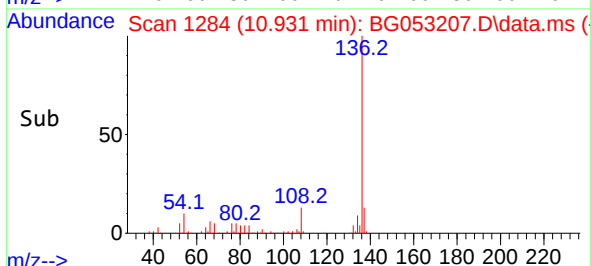


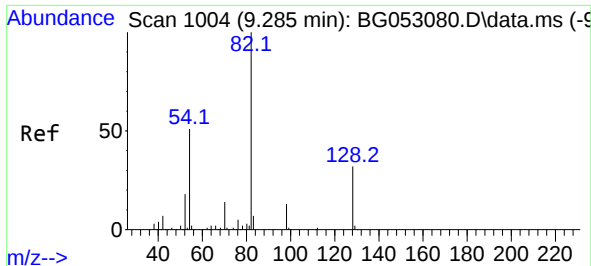
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.931 min Scan# 1284
Delta R.T. -0.005 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29



Tgt Ion:136 Resp: 165940

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.4	14.2
54	9.9	6.4	9.6#
68	5.3	5.0	7.6





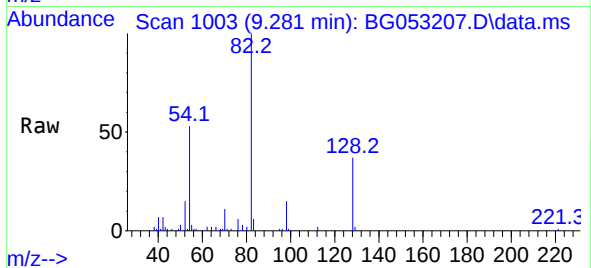
#23
Nitrobenzene-d5
Concen: 10.692 ng
RT: 9.281 min Scan# 1003
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Instrument :

BNA_G

ClientSampleId :

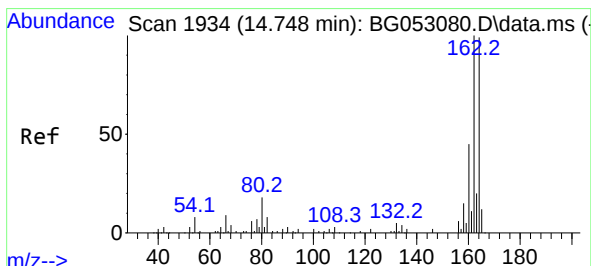
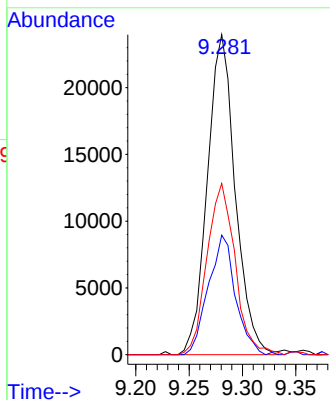
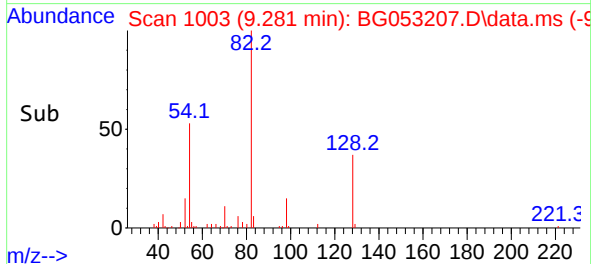
OK-03-041822



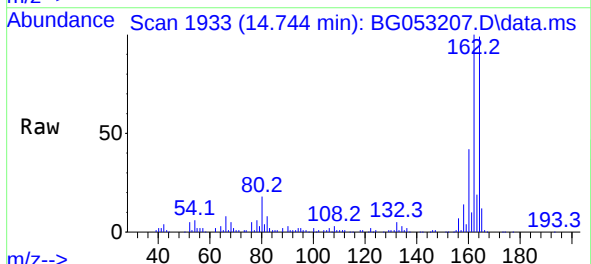
Tgt Ion: 82 Resp: 43690
Ion Ratio Lower Upper
82 100
128 37.4 31.3 46.9
54 53.5 37.8 56.8

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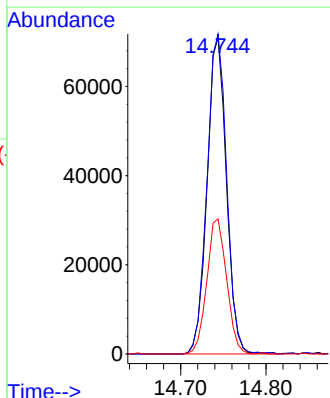
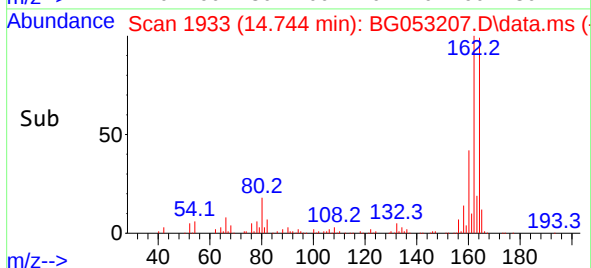
Reviewed By :Christian Giraldo 04/20/2022
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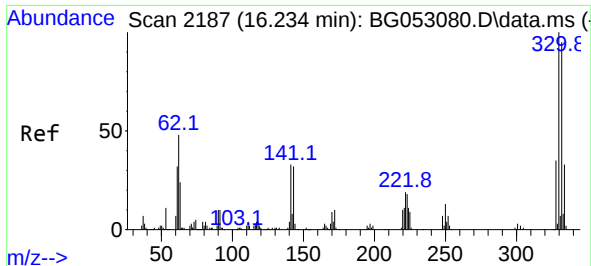


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.744 min Scan# 1933
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29



Tgt Ion:164 Resp: 111441
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 42.7 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 15.059 ng
RT: 16.230 min Scan# 2187
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Instrument :

BNA_G

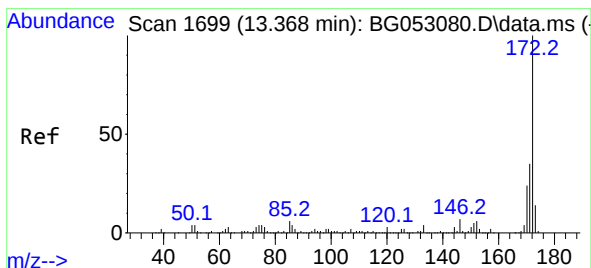
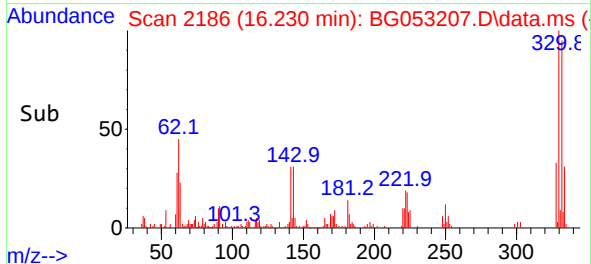
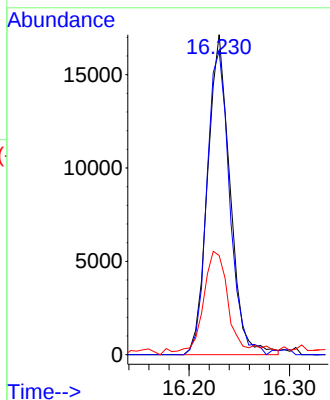
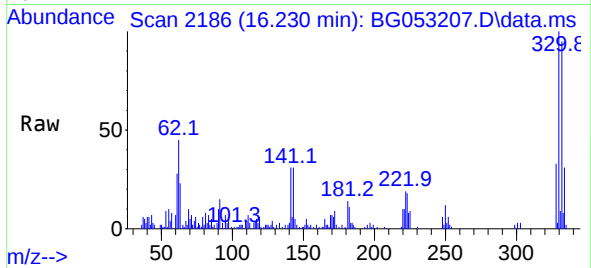
ClientSampleId :

OK-03-041822

Tgt Ion:330 Resp: 26700
Ion Ratio Lower Upper
330 100
332 95.8 75.8 113.6
141 35.9 24.6 36.8

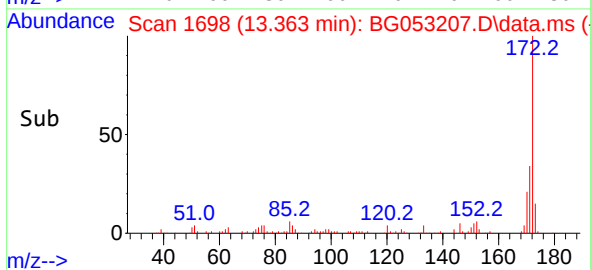
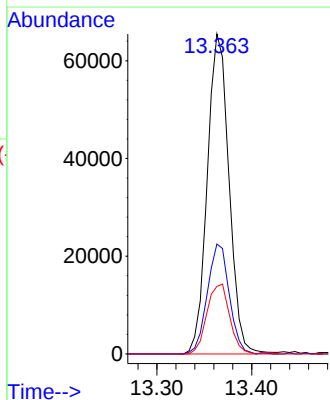
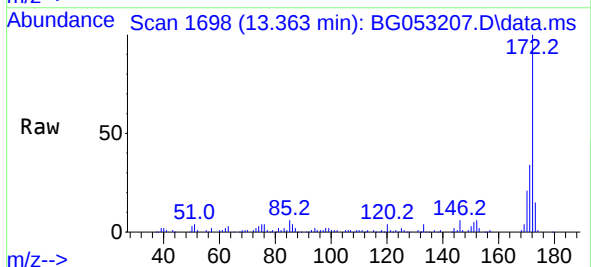
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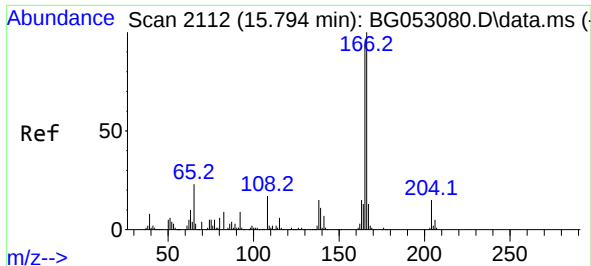
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#45
2-Fluorobiphenyl
Concen: 12.911 ng
RT: 13.363 min Scan# 1698
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Tgt Ion:172 Resp: 104345
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 21.1 18.0 27.0





#58
Fluorene
Concen: 2.044 ng
RT: 15.784 min Scan# 2112
Delta R.T. -0.010 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Instrument :

BNA_G

ClientSampleId :

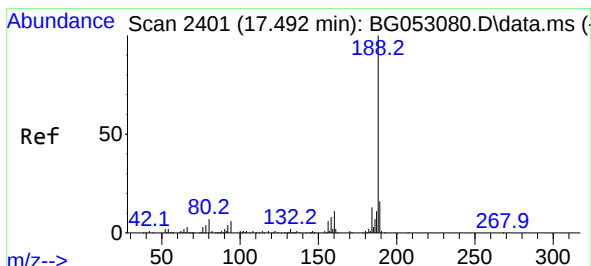
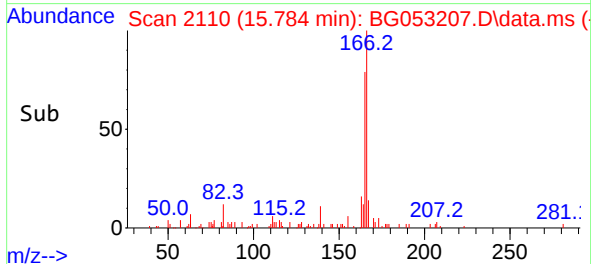
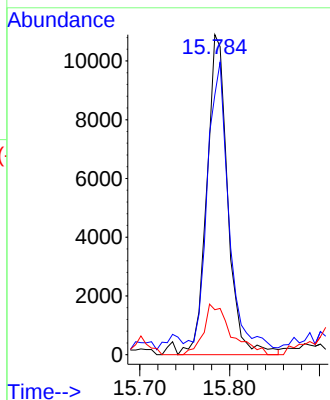
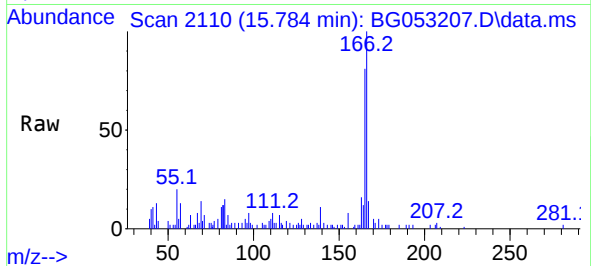
OK-03-041822

Tgt Ion:166 Resp: 1757
Ion Ratio Lower Upper
166 100
165 81.2 78.6 117.8
167 14.0 10.9 16.3

Manual Integrations

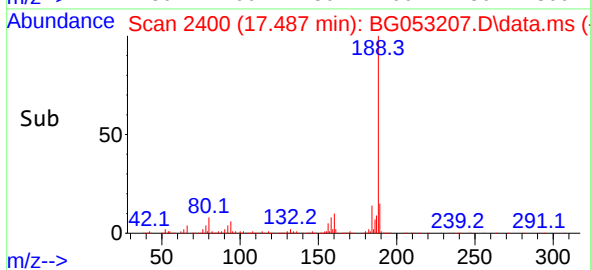
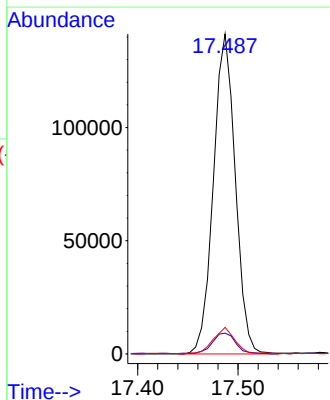
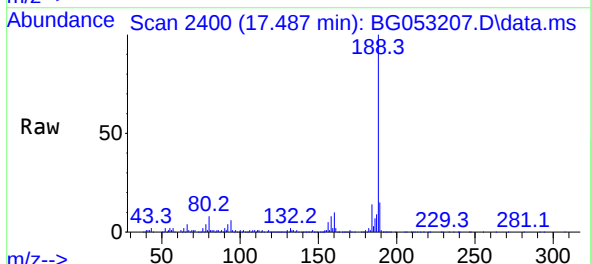
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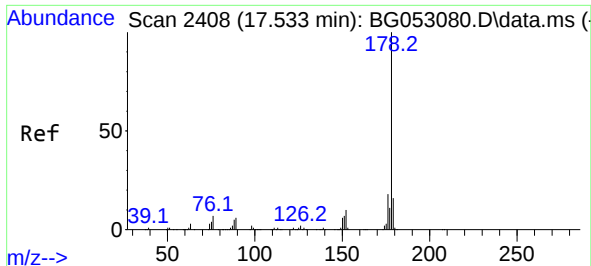
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.487 min Scan# 2400
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Tgt Ion:188 Resp: 213960
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 8.3 7.2 10.8





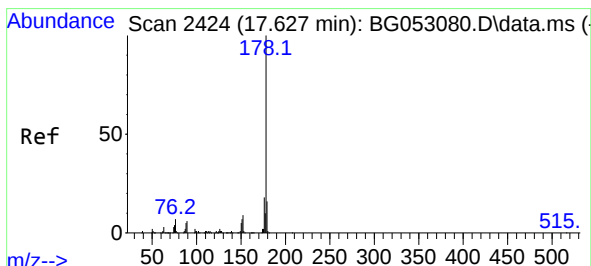
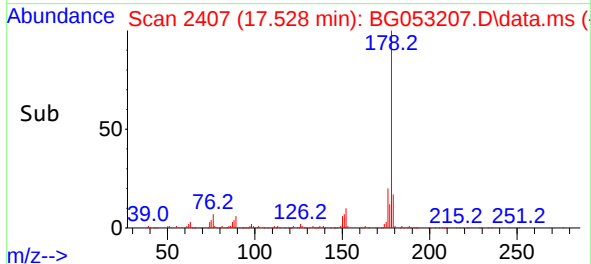
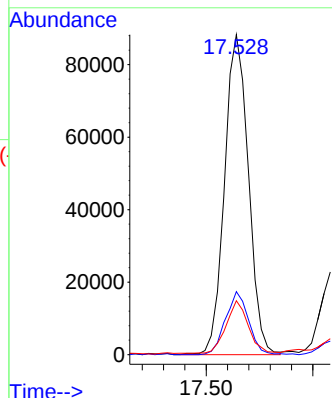
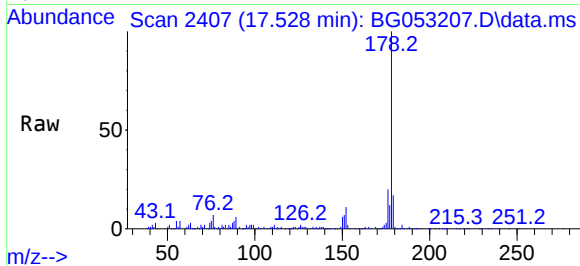
#71
Phenanthrene
Concen: 11.757 ng
RT: 17.528 min Scan# 2408
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Instrument :
BNA_G
ClientSampleId :
OK-03-041822

Tgt Ion:178 Resp: 137398
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 16.8 13.4 20.2

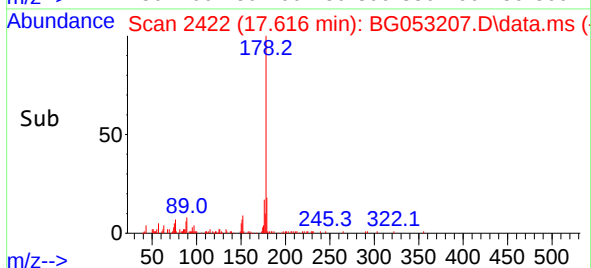
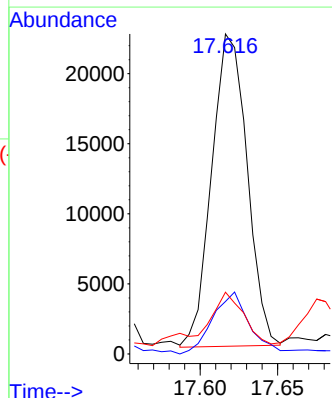
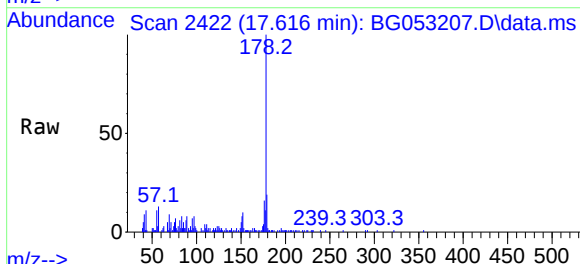
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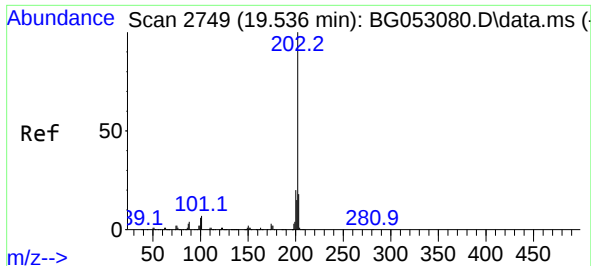
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#72
Anthracene
Concen: 3.059 ng
RT: 17.616 min Scan# 2422
Delta R.T. -0.010 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Tgt Ion:178 Resp: 35414
Ion Ratio Lower Upper
178 100
176 16.4 14.7 22.1
179 19.3 13.2 19.8





#75
Fluoranthene
Concen: 13.236 ng
RT: 19.537 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Instrument :

BNA_G

ClientSampleId :

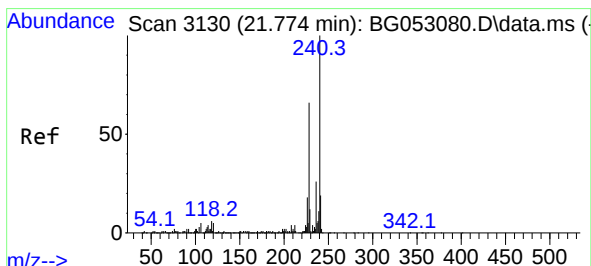
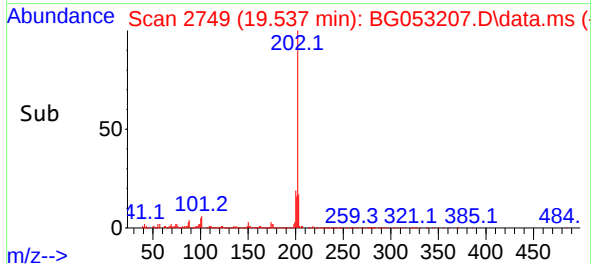
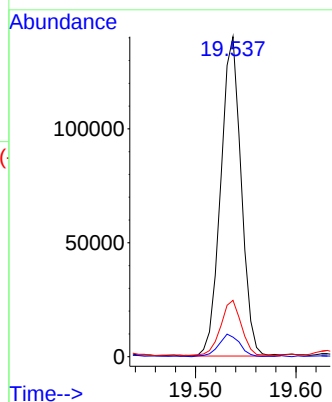
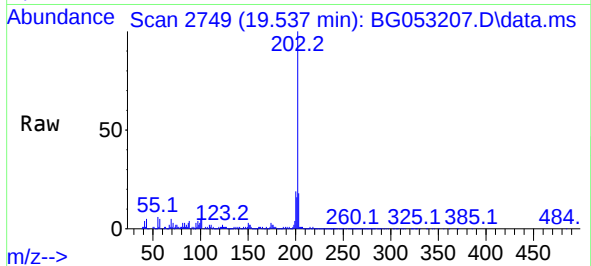
OK-03-041822

Tgt Ion:202 Resp: 198290
Ion Ratio Lower Upper
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203 17.6 0.0 37.7

Manual Integrations

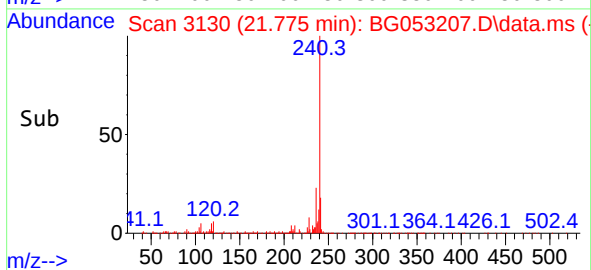
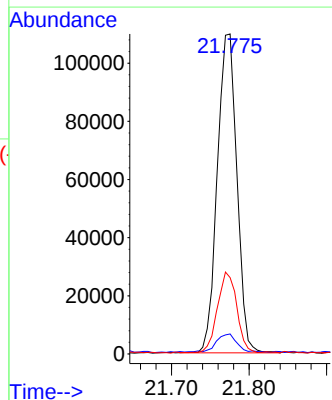
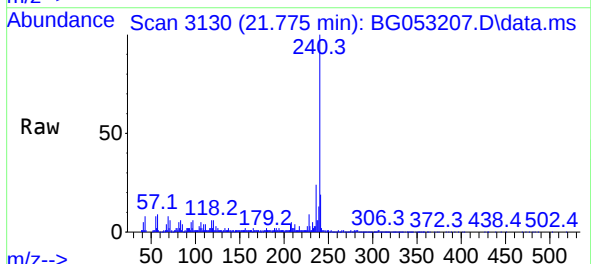
APPROVED

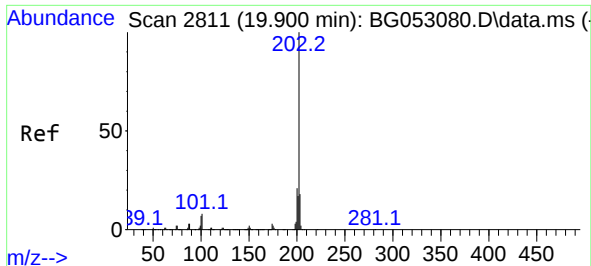
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.775 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Tgt Ion:240 Resp: 192468
Ion Ratio Lower Upper
240 100
120 6.2 5.4 8.0
236 23.8 19.8 29.6





#78
Pyrene
Concen: 12.925 ng
RT: 19.896 min Scan# 2810
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Instrument :

BNA_G

ClientSampleId :

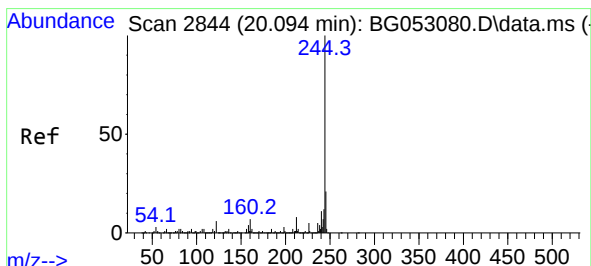
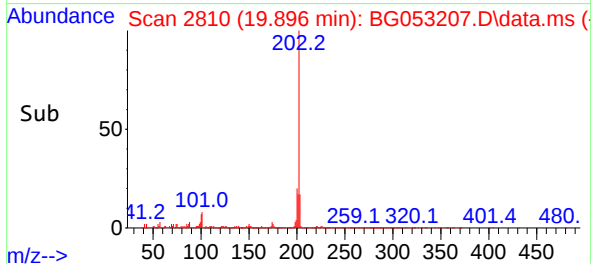
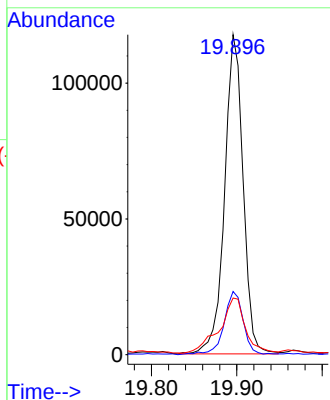
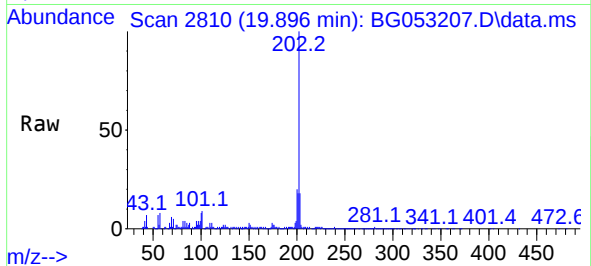
OK-03-041822

Tgt Ion:202 Resp: 177172
Ion Ratio Lower Upper
202 100
200 19.7 17.0 25.6
203 17.7 15.0 22.6

Manual Integrations

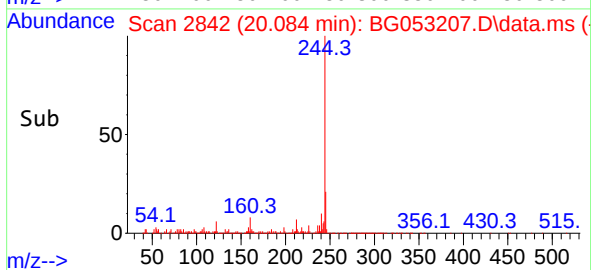
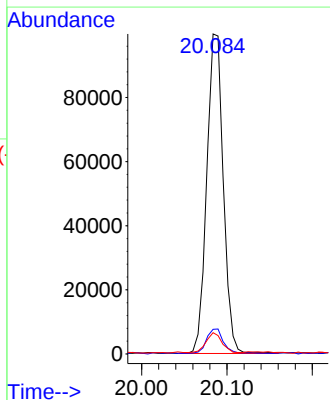
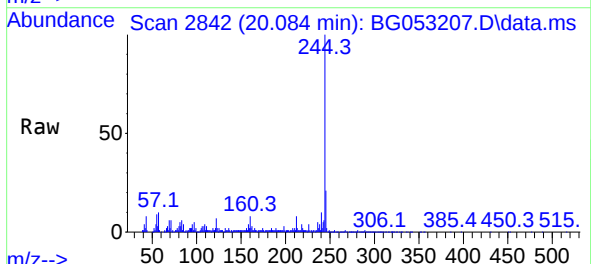
APPROVED

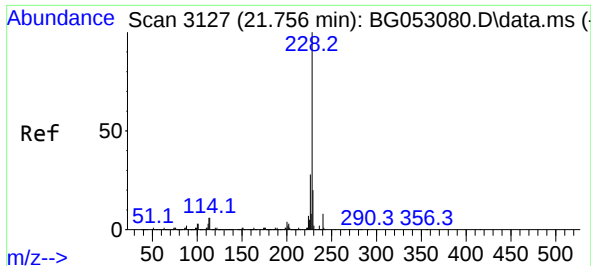
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#79
Terphenyl-d14
Concen: 11.811 ng
RT: 20.084 min Scan# 2842
Delta R.T. -0.010 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

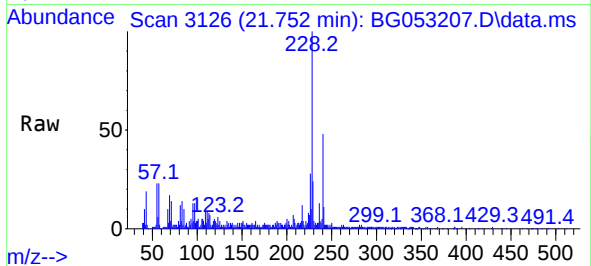
Tgt Ion:244 Resp: 134599
Ion Ratio Lower Upper
244 100
212 7.7 5.4 8.2
122 6.6 5.8 8.6





#81
Benzo(a)anthracene
Concen: 6.242 ng
RT: 21.752 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

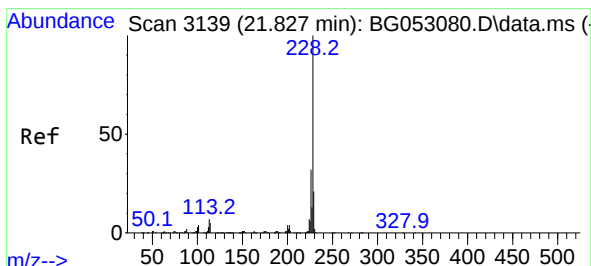
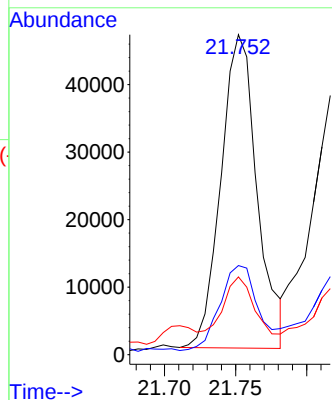
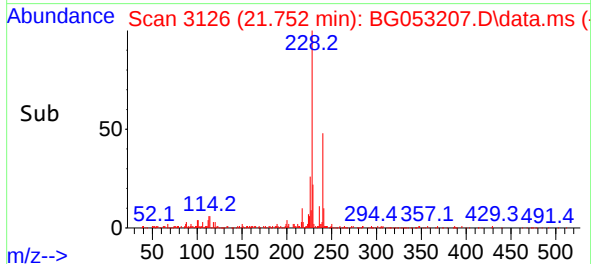
Instrument :
BNA_G
ClientSampleId :
OK-03-041822



Tgt Ion:228 Resp: 82144
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.0
229 24.3 16.7 25.1

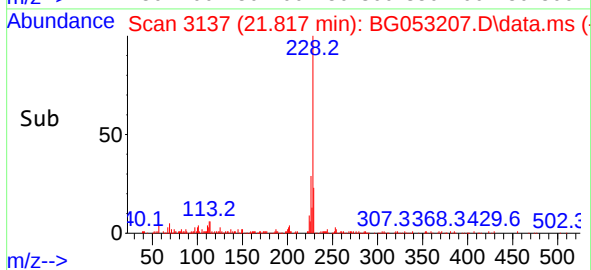
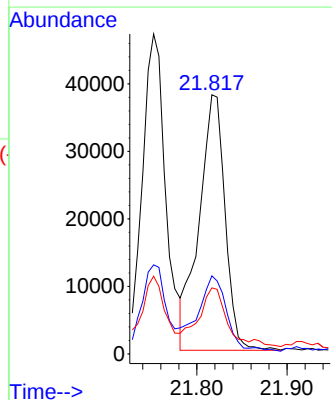
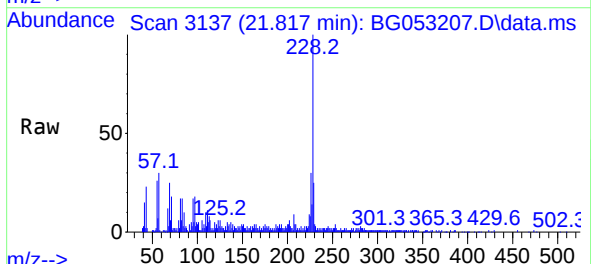
Manual Integrations
APPROVED

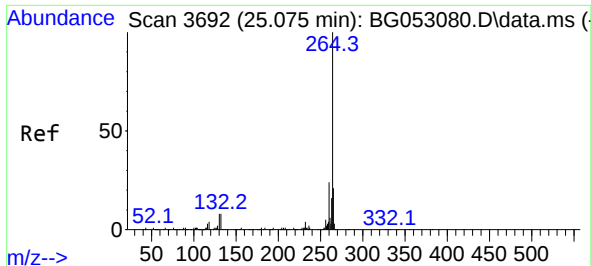
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#83
Chrysene
Concen: 6.236 ng m
RT: 21.817 min Scan# 3137
Delta R.T. -0.010 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

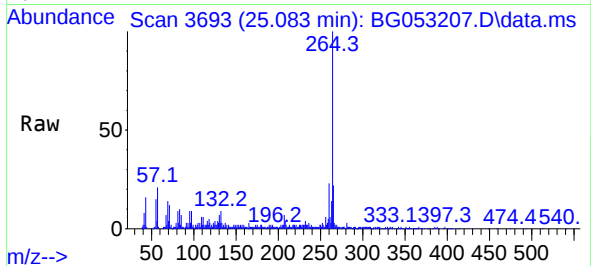
Tgt Ion:228 Resp: 76158
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.4
229 25.5 16.3 24.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.083 min Scan# 30
 Delta R.T. 0.007 min
 Lab File: BG053207.D
 Acq: 19 Apr 2022 22:29

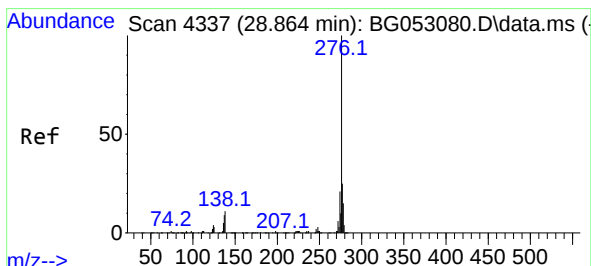
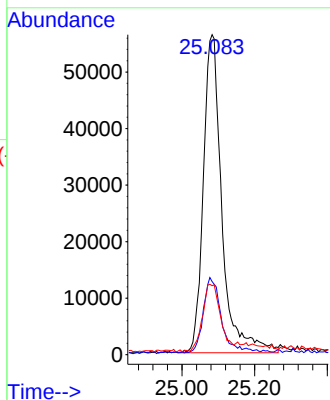
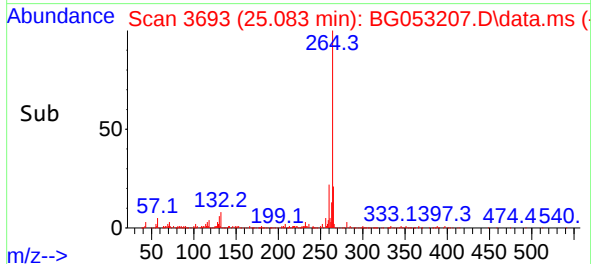
Instrument :
 BNA_G
 ClientSampleId :
 OK-03-041822



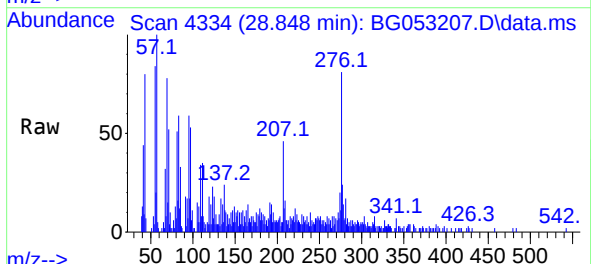
Tgt Ion:264 Resp: 200218
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.2 27.2
 265 21.6 15.1 22.7

Manual Integrations
 APPROVED

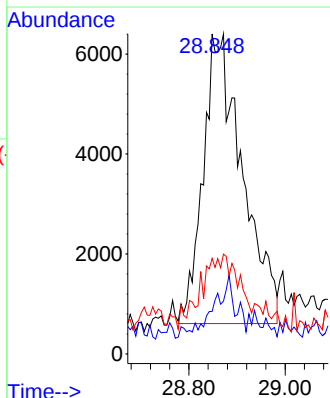
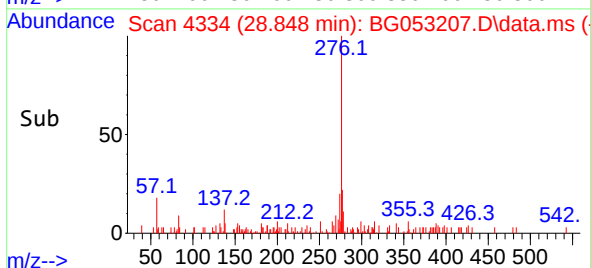
Reviewed By :Christian Giraldo 04/20/2022
 Supervised By :Jagrut Upadhyay 04/20/2022

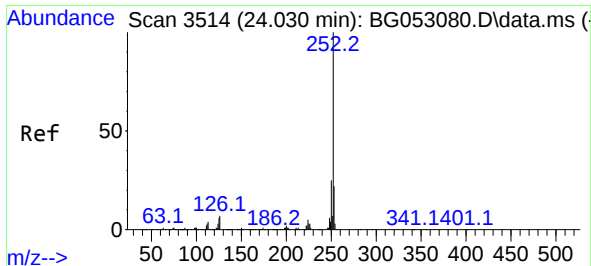


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.212 ng m
 RT: 28.848 min Scan# 4334
 Delta R.T. -0.016 min
 Lab File: BG053207.D
 Acq: 19 Apr 2022 22:29



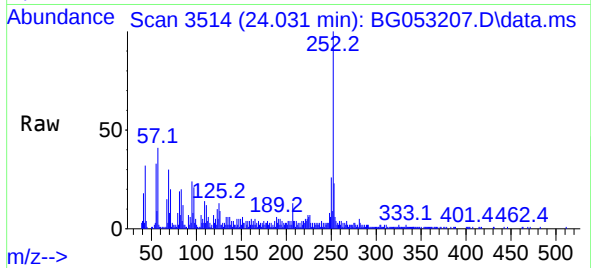
Tgt Ion:276 Resp: 32907
 Ion Ratio Lower Upper
 276 100
 138 3.3 8.7 13.1#
 277 10.6 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 7.494 ng
RT: 24.031 min Scan# 3514
Delta R.T. 0.001 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

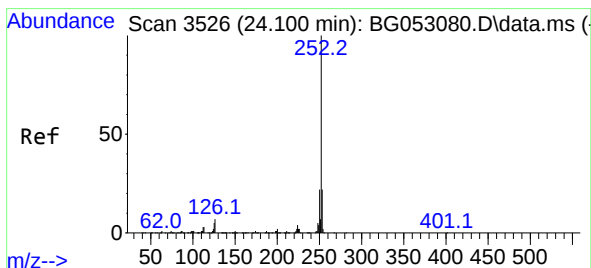
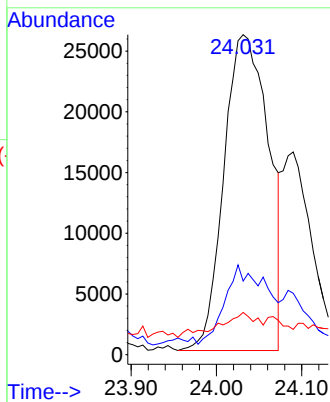
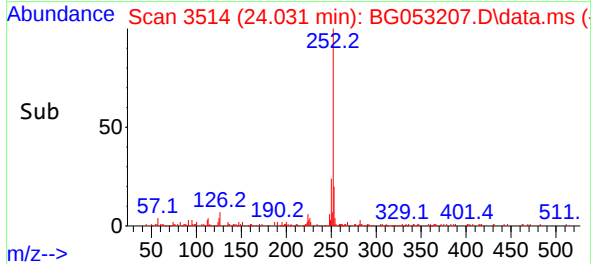
Instrument :
BNA_G
ClientSampleId :
OK-03-041822



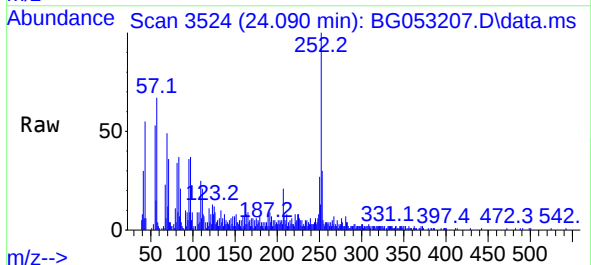
Tgt Ion:252 Resp: 94670
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 13.2 5.2 7.8

Manual Integrations
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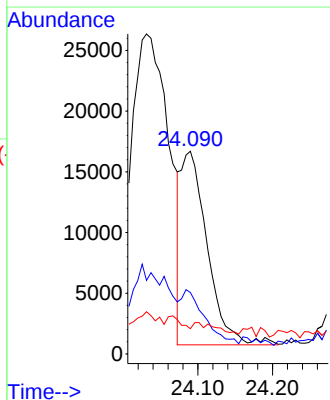
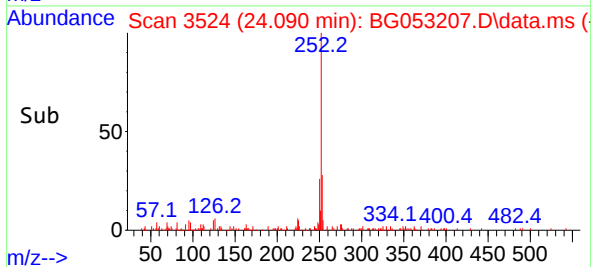
Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022

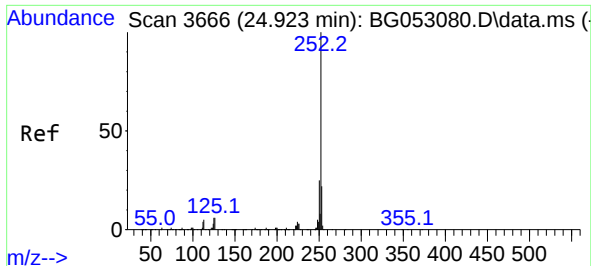


#89
Benzo(k)fluoranthene
Concen: 3.141 ng m
RT: 24.090 min Scan# 3524
Delta R.T. -0.010 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29



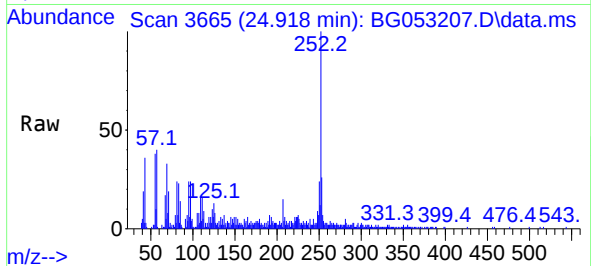
Tgt Ion:252 Resp: 39001
Ion Ratio Lower Upper
252 100
253 30.3 17.4 26.0#
125 12.4 5.0 7.4#





#90
Benzo(a)pyrene
Concen: 6.533 ng
RT: 24.918 min Scan# 30
Delta R.T. -0.004 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

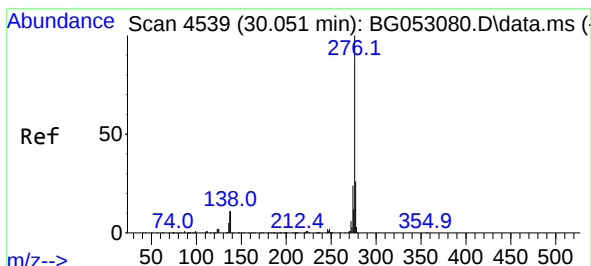
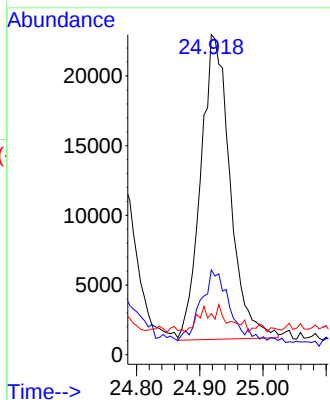
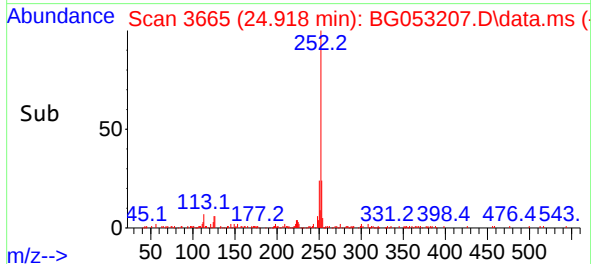
Instrument :
BNA_G
ClientSampleId :
OK-03-041822



Tgt Ion:252 Resp: 70308
Ion Ratio Lower Upper
252 100
253 26.5 18.4 27.6
125 12.9 5.6 8.4

Manual Integrations
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Reviewed By :Christian Giraldo 04/20/2022
Supervised By :Jagrut Upadhyay 04/20/2022



#92
Benzo(g,h,i)perylene
Concen: 2.635 ng m
RT: 30.052 min Scan# 4539
Delta R.T. 0.001 min
Lab File: BG053207.D
Acq: 19 Apr 2022 22:29

Tgt Ion:276 Resp: 31792
Ion Ratio Lower Upper
276 100
277 26.2 18.2 27.2
138 22.1 9.1 13.7

