

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053062.D
 Acq On : 6 Apr 2022 19:44
 Operator : CG/JU
 Sample : N2237-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-0401

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

Quant Time: Apr 07 04:10:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.128	152	36138	20.000	ng	0.00
21) Naphthalene-d8	10.936	136	146439	20.000	ng	# 0.00
39) Acenaphthene-d10	14.749	164	105339	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	237877	20.000	ng	0.00
76) Chrysene-d12	21.775	240	213347	20.000	ng	# 0.00
86) Perylene-d12	25.082	264	223225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	177161	85.375	ng	0.00
7) Phenol-d6	7.288	99	267860	85.622	ng	0.00
23) Nitrobenzene-d5	9.286	82	207267	71.038	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	124764	88.143	ng	0.00
45) 2-Fluorobiphenyl	13.374	172	401122	56.161	ng	0.00
79) Terphenyl-d14	20.095	244	563868	47.014	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.533	178	127349	10.007	ng	96
75) Fluoranthene	19.537	202	227454	14.081	ng	100
78) Pyrene	19.901	202	188125	12.712	ng	98
81) Benzo(a)anthracene	21.757	228	103411	7.239	ng	98
83) Chrysene	21.822	228	100121	7.455	ng	97
87) Indeno(1,2,3-cd)pyrene	28.853	276	64249	4.205	ng	# 89
88) Benzo(b)fluoranthene	24.030	252	141895	10.238	ng	# 90
89) Benzo(k)fluoranthene	24.089	252	43772m	3.210	ng	
90) Benzo(a)pyrene	24.918	252	87462	7.455	ng	98
92) Benzo(g,h,i)perylene	30.046	276	60483	4.855	ng	98

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

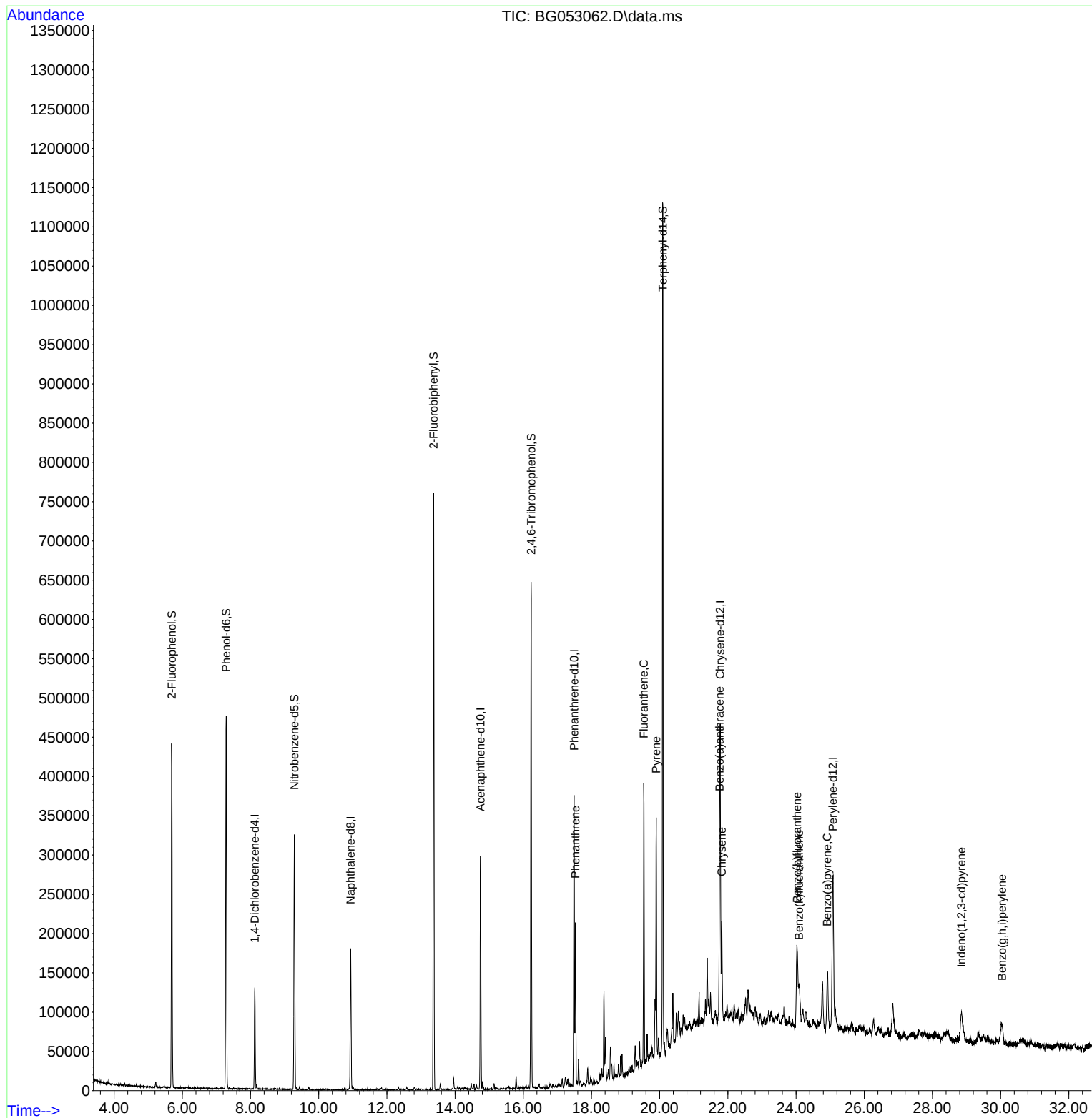
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
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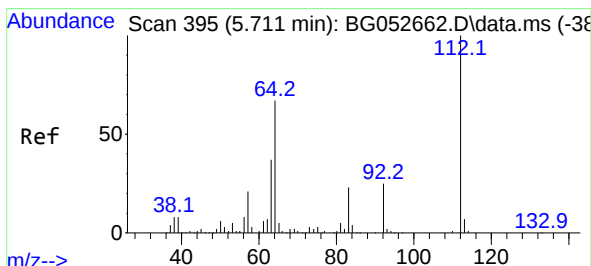
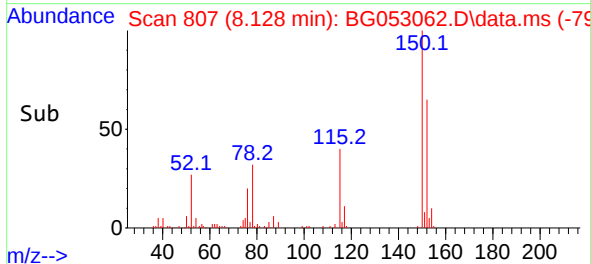
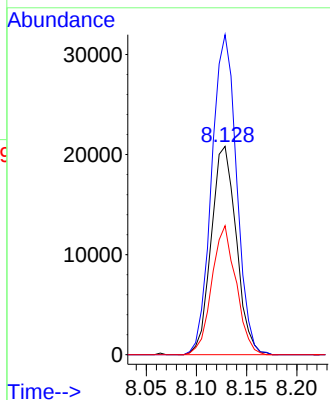
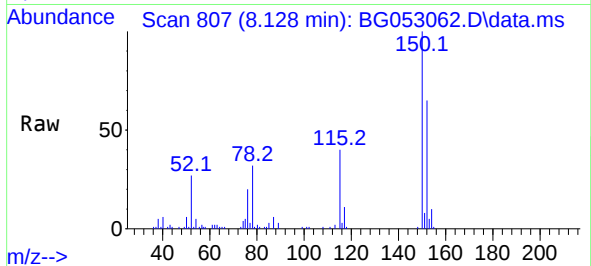
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.128 min Scan# 807
Delta R.T. 0.000 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Instrument :
BNA_G
ClientSampleId :
DUP-0401

Tgt Ion:152 Resp: 36138
Ion Ratio Lower Upper
152 100
150 153.7 114.6 172.0
115 61.9 45.9 68.9

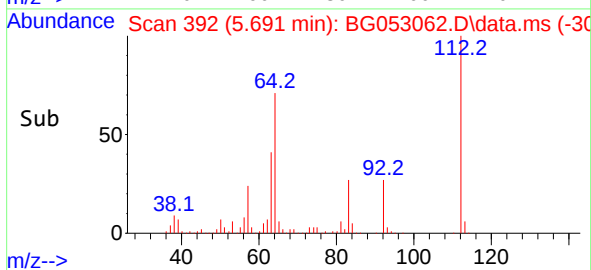
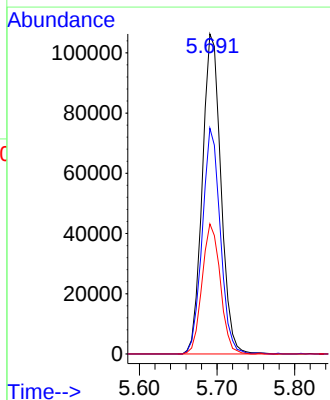
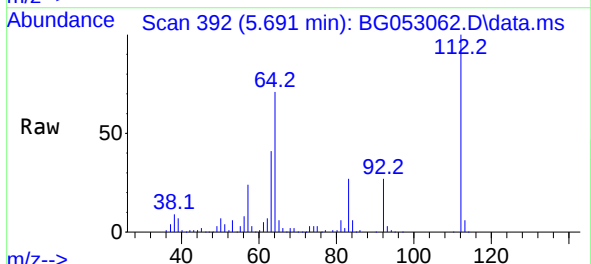
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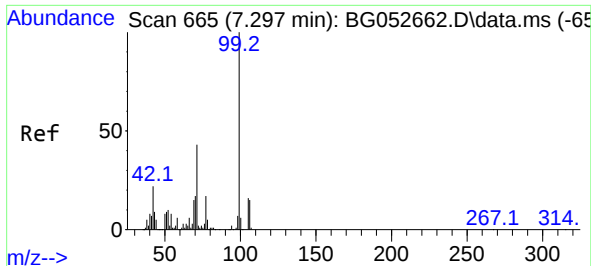
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#5
2-Fluorophenol
Concen: 85.375 ng
RT: 5.691 min Scan# 392
Delta R.T. 0.006 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

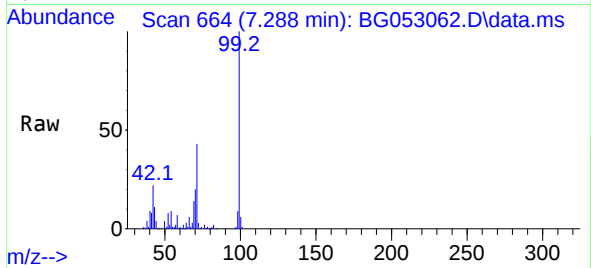
Tgt Ion:112 Resp: 177161
Ion Ratio Lower Upper
112 100
64 70.5 48.0 72.0
63 40.7 26.5 39.7





#7
Phenol-d6
Concen: 85.622 ng
RT: 7.288 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

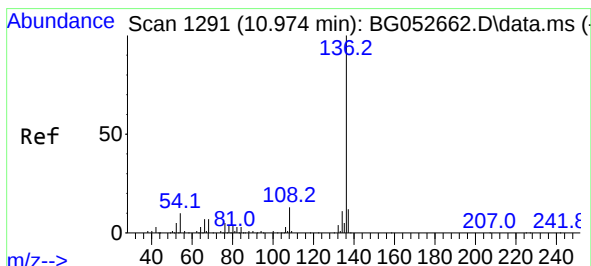
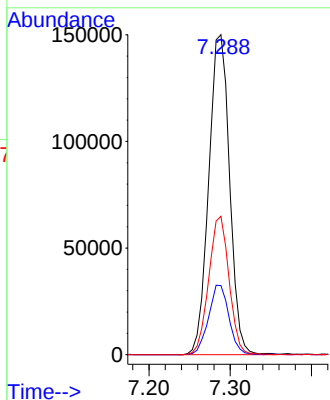
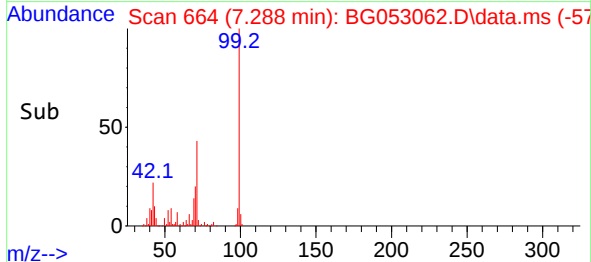
Instrument :
BNA_G
ClientSampleId :
DUP-0401



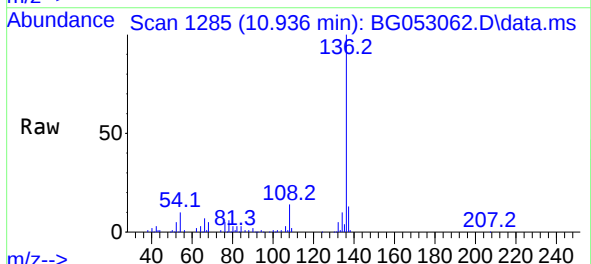
Tgt Ion: 99 Resp: 267860
Ion Ratio Lower Upper
99 100
42 21.6 14.7 22.1
71 43.3 29.2 43.8

Manual Integrations
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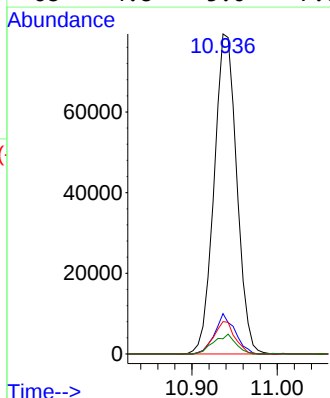
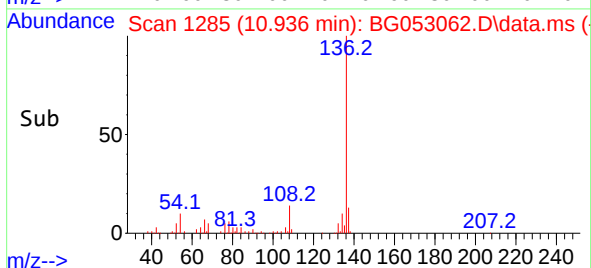
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

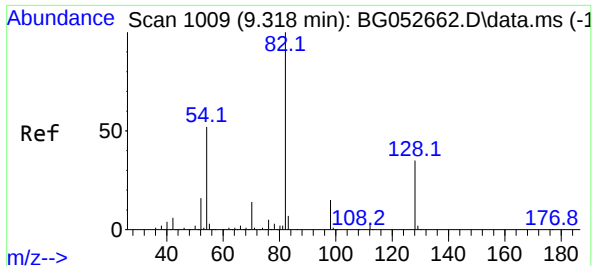


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.936 min Scan# 1285
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44



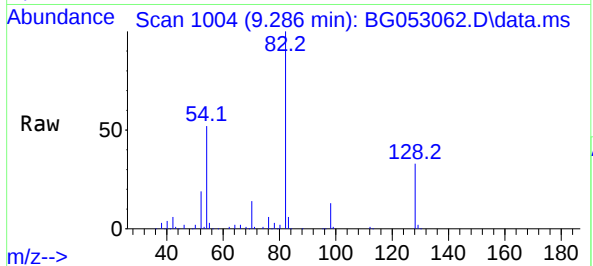
Tgt Ion:136 Resp: 146439
Ion Ratio Lower Upper
136 100
137 12.6 9.4 14.2
54 10.1 6.4 9.6#
68 4.8 5.0 7.6#





#23
Nitrobenzene-d5
Concen: 71.038 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

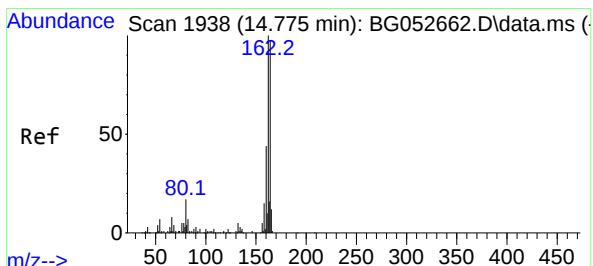
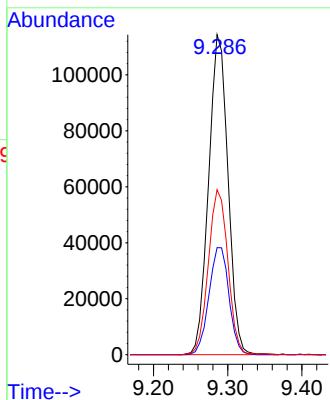
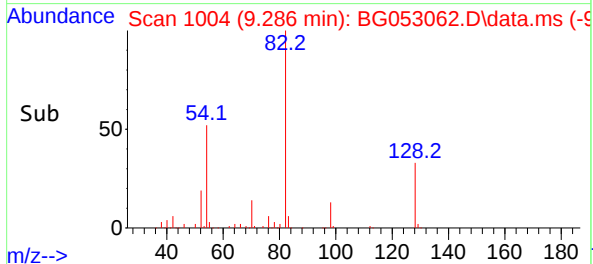
Instrument :
BNA_G
ClientSampleId :
DUP-0401



Tgt Ion: 82 Resp: 20726
Ion Ratio Lower Upper
82 100
128 33.5 31.3 46.9
54 51.6 37.8 56.8

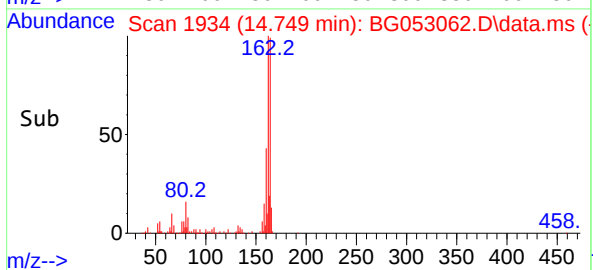
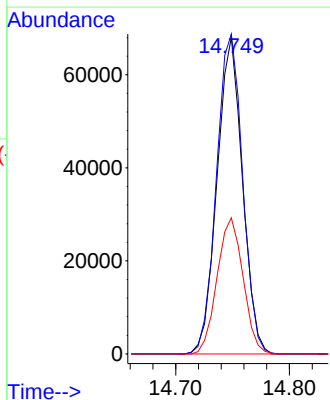
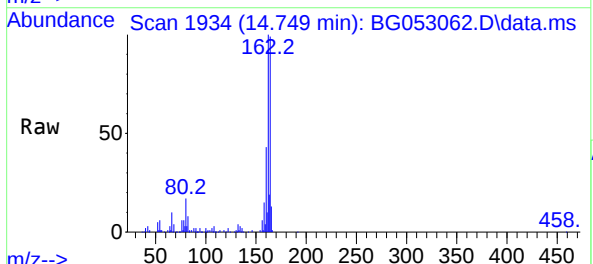
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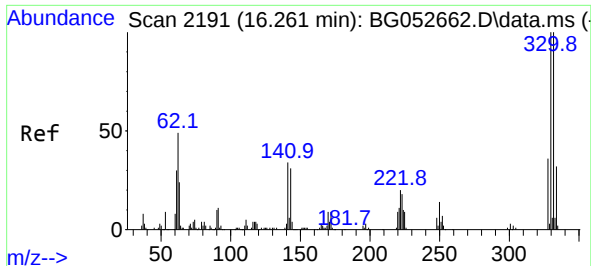
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1934
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion:164 Resp: 105339
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 43.0 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 88.143 ng
RT: 16.235 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Instrument :

BNA_G

ClientSampleId :

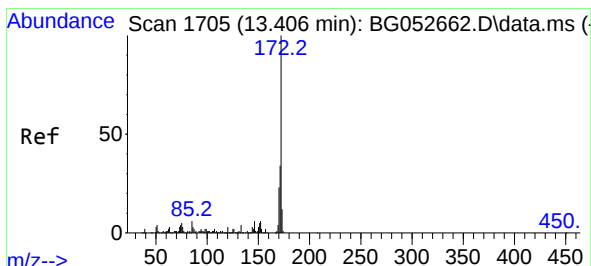
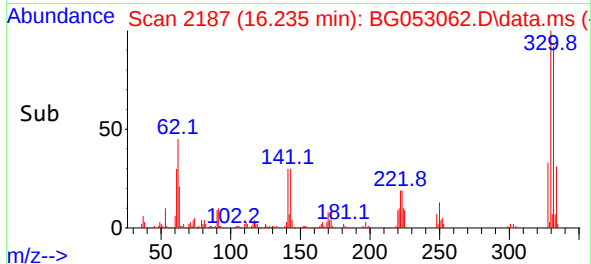
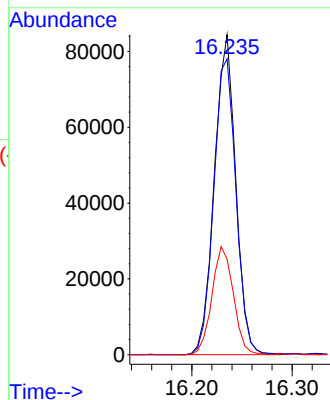
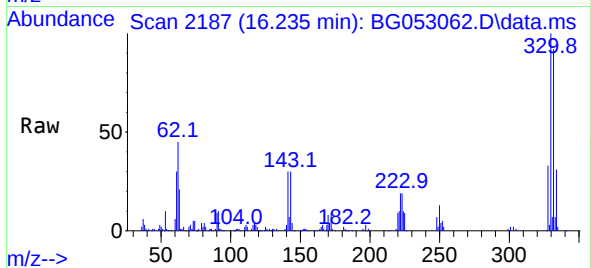
DUP-0401

Tgt Ion:330 Resp: 124764
Ion Ratio Lower Upper
330 100
332 96.3 75.8 113.6
141 33.9 24.6 36.8

Manual Integrations

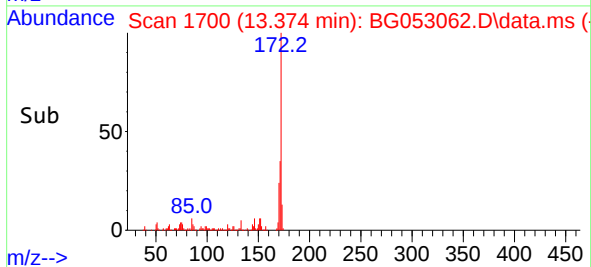
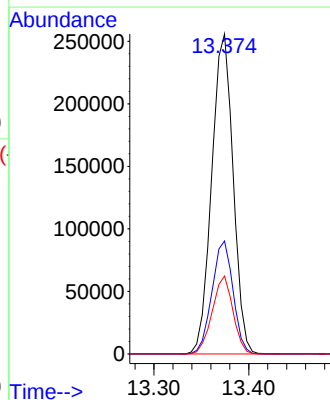
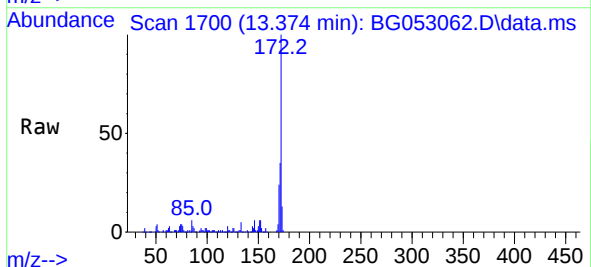
APPROVED

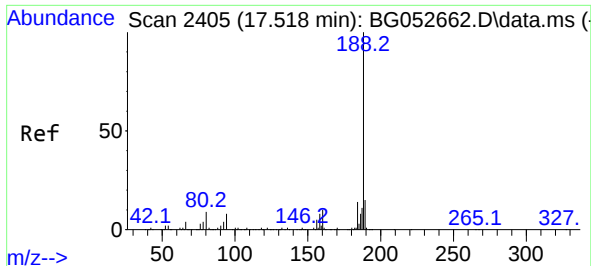
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#45
2-Fluorobiphenyl
Concen: 56.161 ng
RT: 13.374 min Scan# 1700
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion:172 Resp: 401122
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 24.4 18.0 27.0





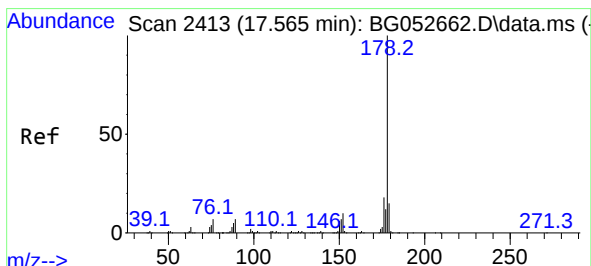
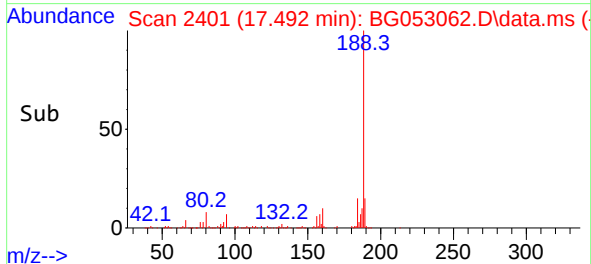
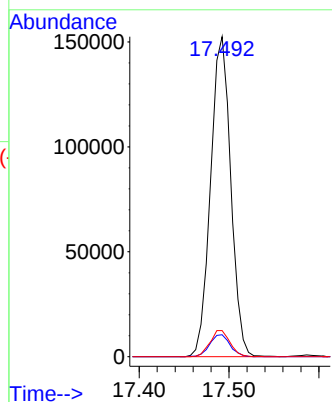
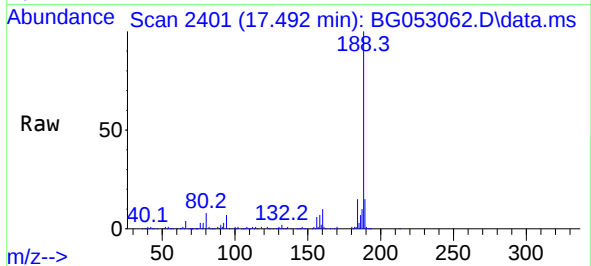
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2405
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Instrument :
BNA_G
ClientSampleId :
DUP-0401

Tgt Ion:188 Resp: 23787
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.2 7.2 10.8

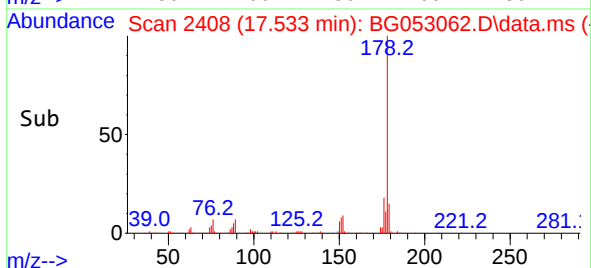
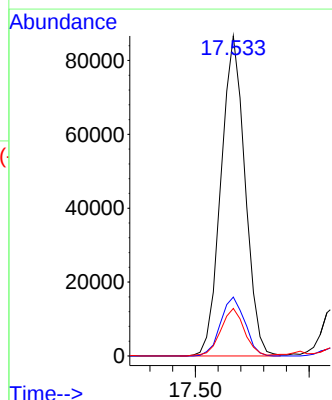
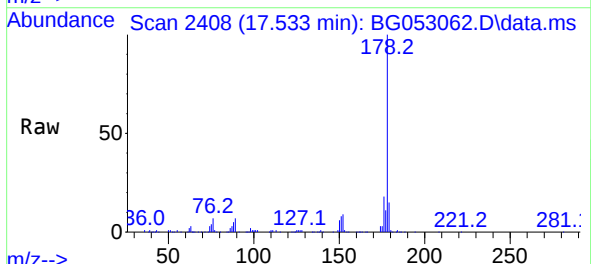
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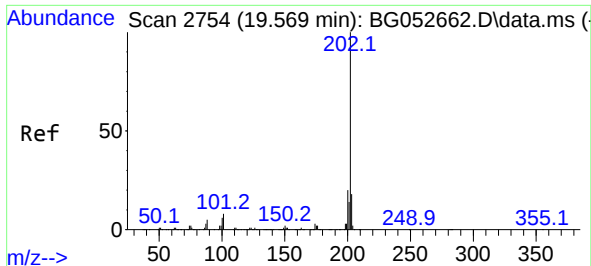
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#71
Phenanthrene
Concen: 10.007 ng
RT: 17.533 min Scan# 2408
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Tgt Ion:178 Resp: 127349
Ion Ratio Lower Upper
178 100
176 18.4 15.9 23.9
179 14.8 13.4 20.2





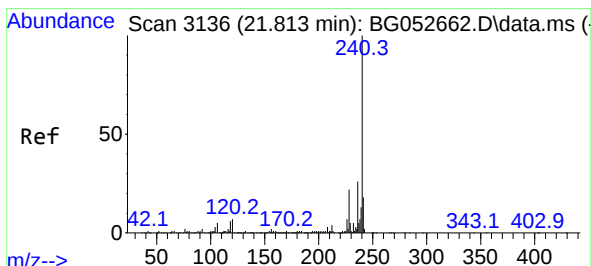
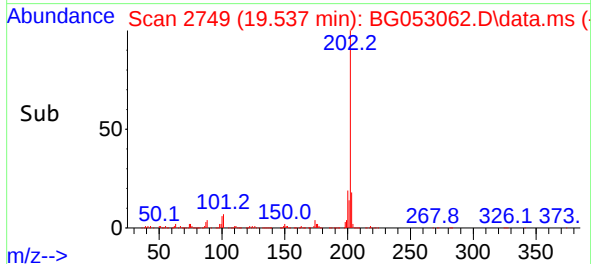
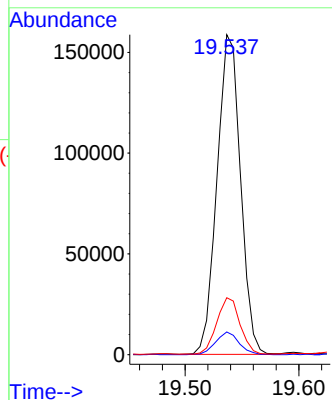
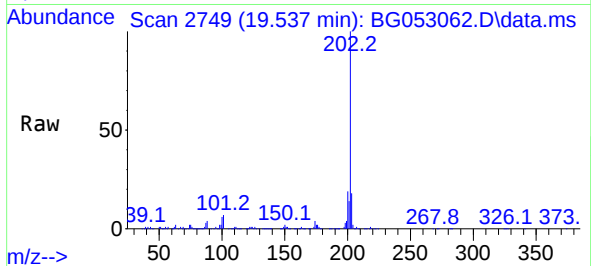
#75
Fluoranthene
Concen: 14.081 ng
RT: 19.537 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Instrument :
BNA_G
ClientSampleId :
DUP-0401

Tgt Ion:202 Resp: 227454
Ion Ratio Lower Upper
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101 7.1 0.0 27.3
203 17.8 0.0 37.7

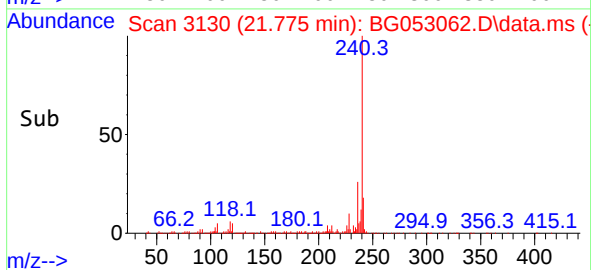
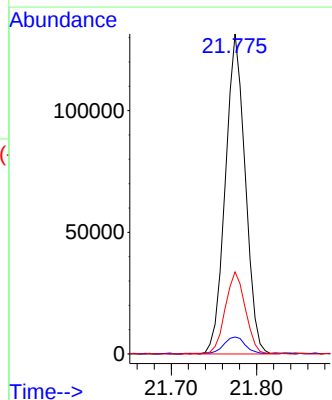
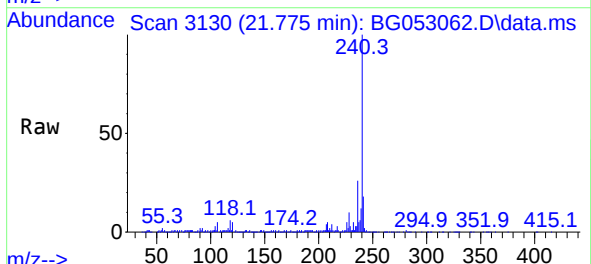
Manual Integrations
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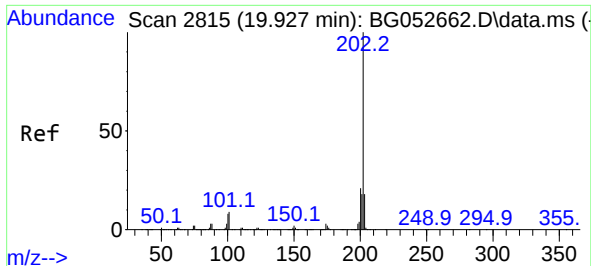
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.775 min Scan# 3130
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

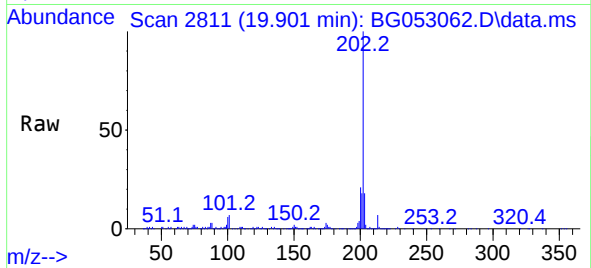
Tgt Ion:240 Resp: 213347
Ion Ratio Lower Upper
240 100
120 5.3 5.4 8.0#
236 25.7 19.8 29.6





#78
Pyrene
Concen: 12.712 ng
RT: 19.901 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

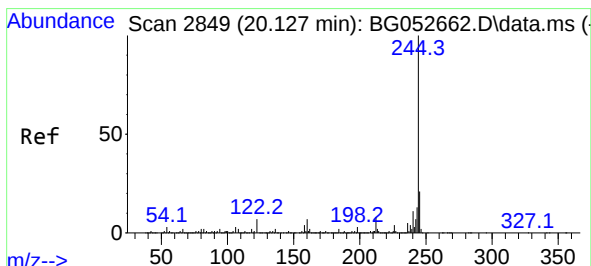
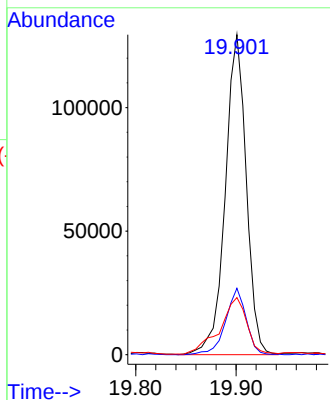
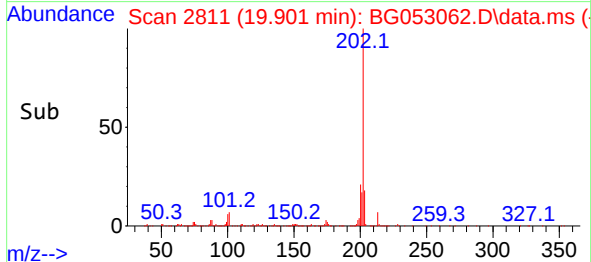
Instrument :
BNA_G
ClientSampleId :
DUP-0401



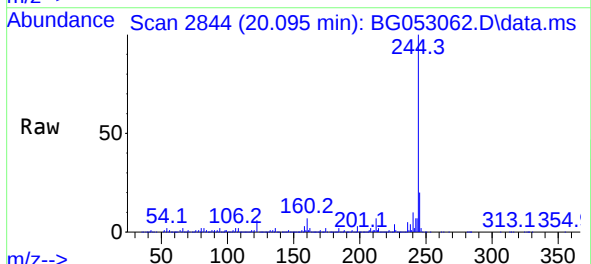
Tgt Ion:202 Resp: 188125
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 17.8 15.0 22.6

Manual Integrations
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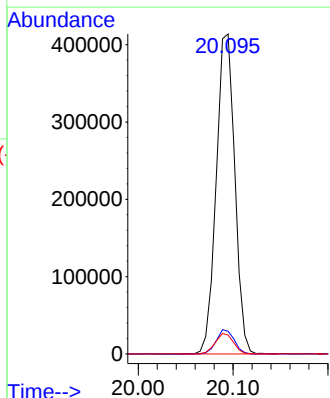
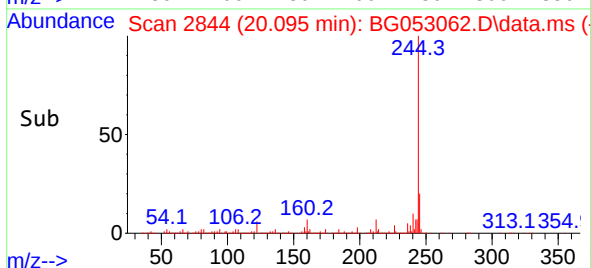
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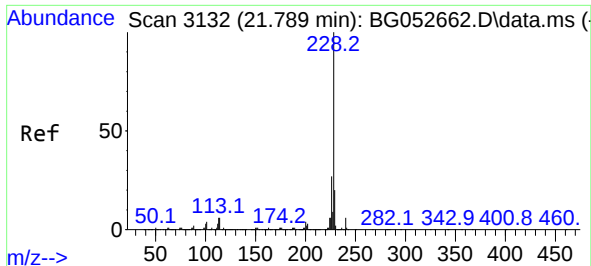


#79
Terphenyl-d14
Concen: 47.014 ng
RT: 20.095 min Scan# 2844
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44



Tgt Ion:244 Resp: 563868
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 5.9 5.8 8.6





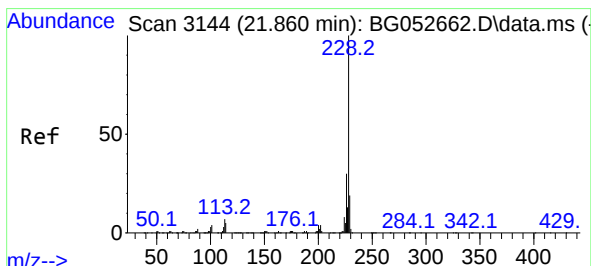
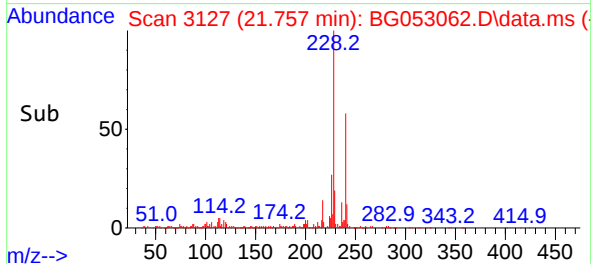
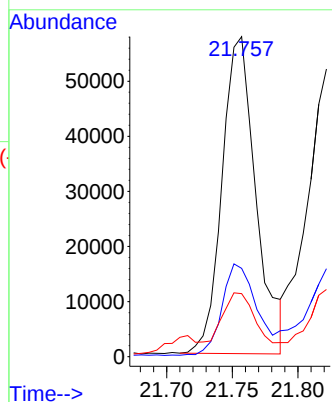
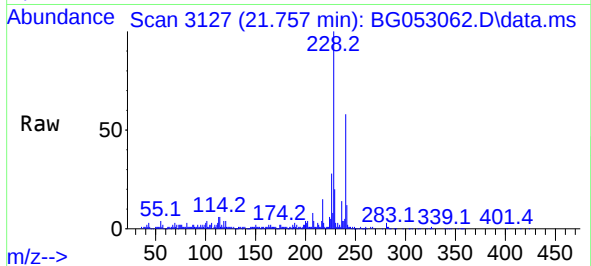
#81
Benzo(a)anthracene
Concen: 7.239 ng
RT: 21.757 min Scan# 3132
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

Instrument :
BNA_G
ClientSampleId :
DUP-0401

Tgt Ion:228 Resp: 10341
Ion Ratio Lower Upper
228 100
226 27.6 21.4 32.0
229 19.7 16.7 25.1

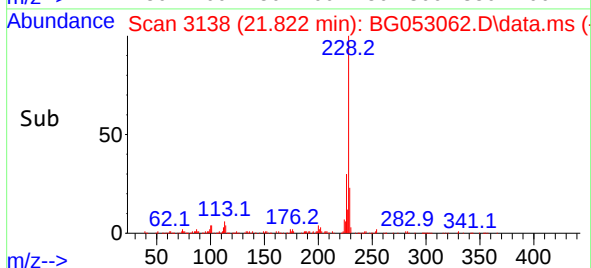
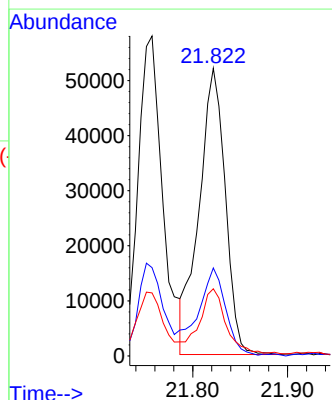
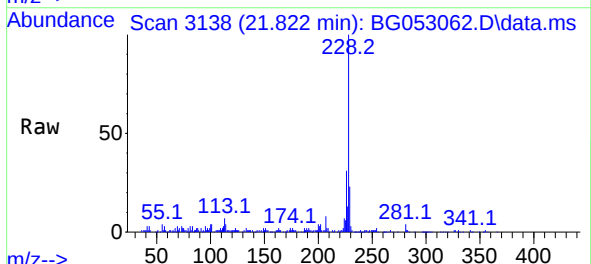
Manual Integrations
APPROVED

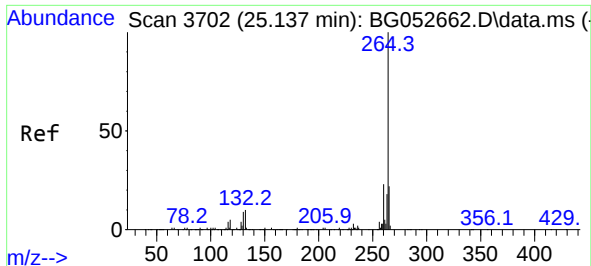
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#83
Chrysene
Concen: 7.455 ng
RT: 21.822 min Scan# 3138
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

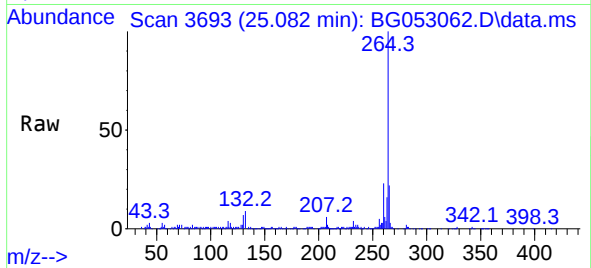
Tgt Ion:228 Resp: 100121
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 23.3 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.082 min Scan# 30
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

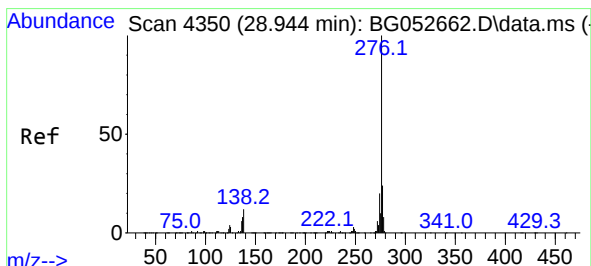
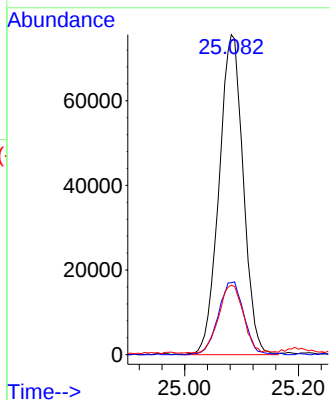
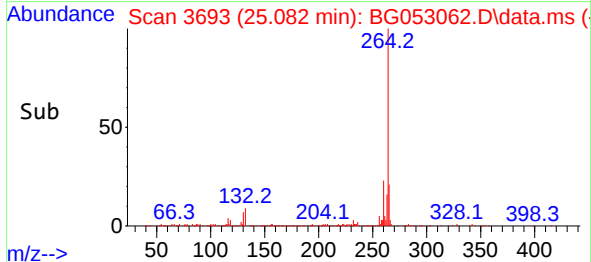
Instrument :
BNA_G
ClientSampleId :
DUP-0401



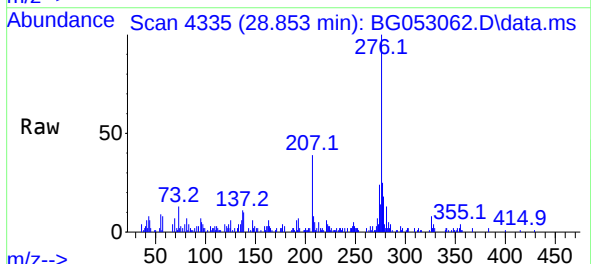
Tgt Ion:264 Resp: 223225
Ion Ratio Lower Upper
264 100
260 22.5 18.2 27.2
265 21.7 15.1 22.7

Manual Integrations
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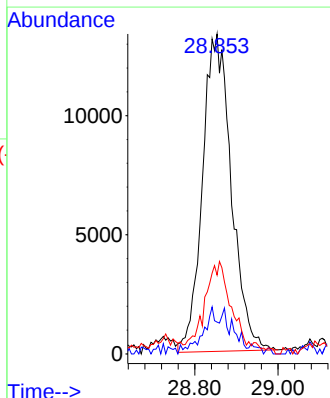
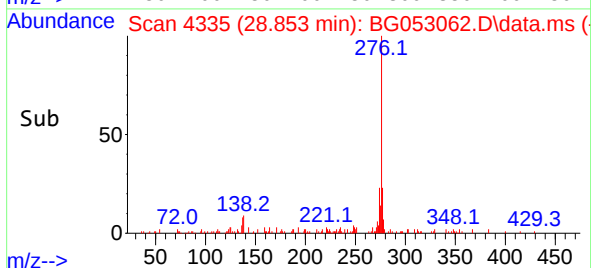
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

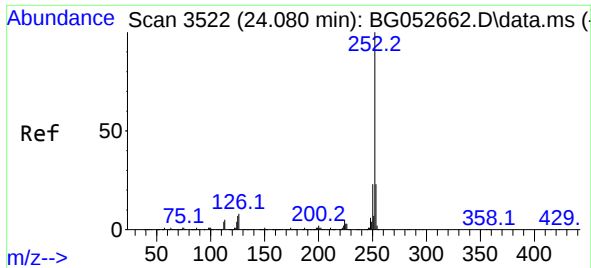


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.205 ng
RT: 28.853 min Scan# 4335
Delta R.T. -0.017 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44



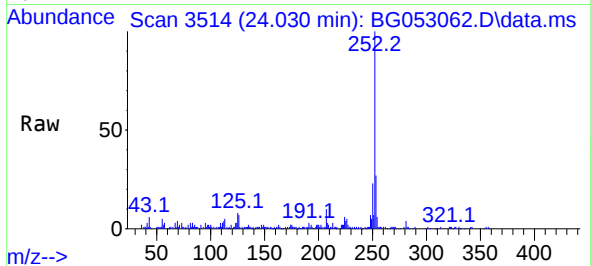
Tgt Ion:276 Resp: 64249
Ion Ratio Lower Upper
276 100
138 1.2 8.7 13.1#
277 23.1 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 10.238 ng
RT: 24.030 min Scan# 3514
Delta R.T. 0.001 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

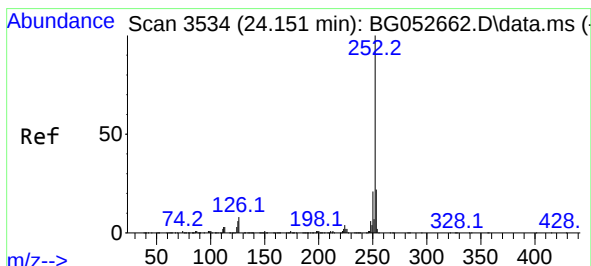
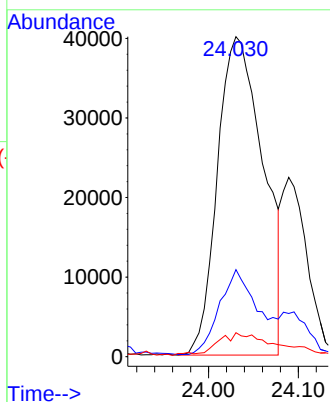
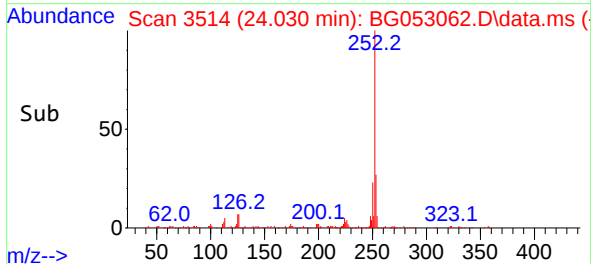
Instrument :
BNA_G
ClientSampleId :
DUP-0401



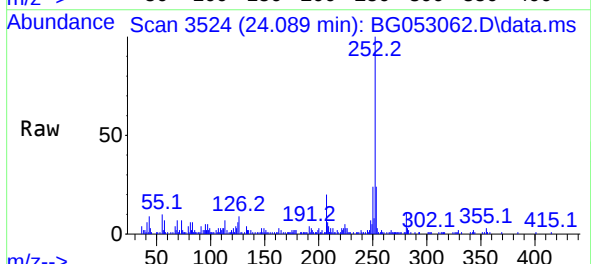
Tgt Ion:252 Resp: 14189
Ion Ratio Lower Upper
252 100
253 27.2 17.2 25.8
125 7.5 5.2 7.8

Manual Integrations
APPROVED

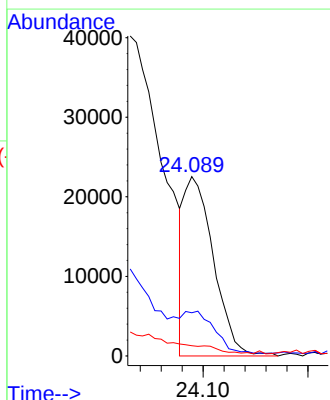
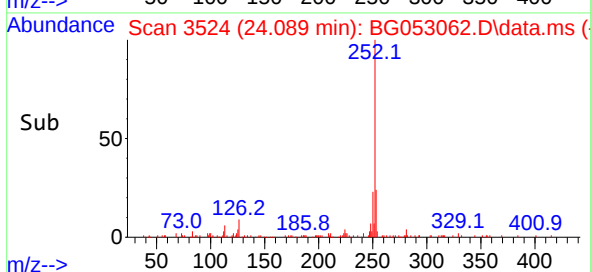
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

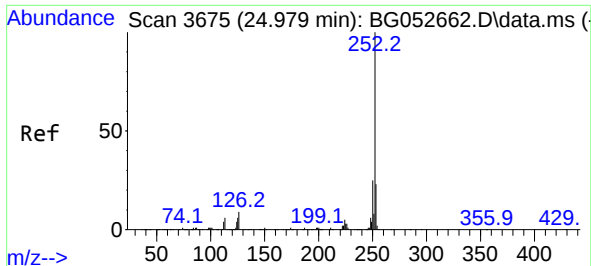


#89
Benzo(k)fluoranthene
Concen: 3.210 ng m
RT: 24.089 min Scan# 3524
Delta R.T. -0.011 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44



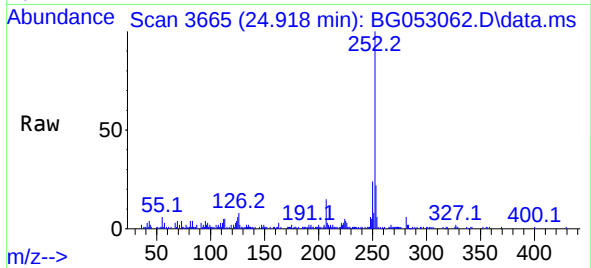
Tgt Ion:252 Resp: 43772
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 5.8 5.0 7.4





#90
Benzo(a)pyrene
Concen: 7.455 ng
RT: 24.918 min Scan# 30
Delta R.T. -0.011 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44

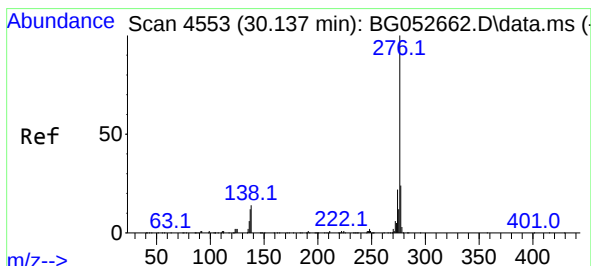
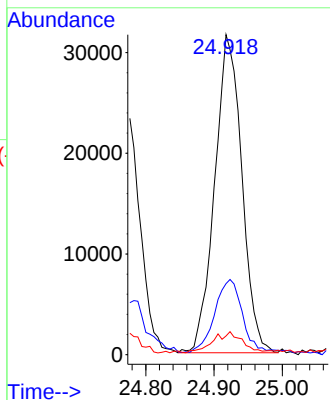
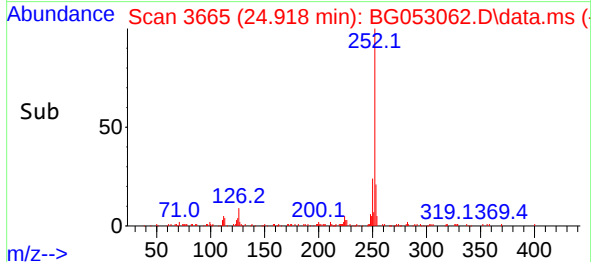
Instrument :
BNA_G
ClientSampleId :
DUP-0401



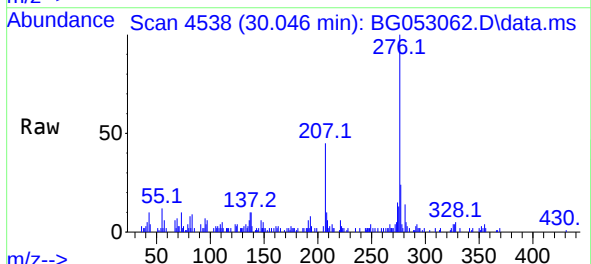
Tgt Ion:252 Resp: 87462
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 5.9 5.6 8.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#92
Benzo(g,h,i)perylene
Concen: 4.855 ng
RT: 30.046 min Scan# 4538
Delta R.T. -0.005 min
Lab File: BG053062.D
Acq: 6 Apr 2022 19:44



Tgt Ion:276 Resp: 60483
Ion Ratio Lower Upper
276 100
277 23.5 18.2 27.2
138 10.5 9.1 13.7

