

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
 Data File : BG055906.D
 Acq On : 6 Dec 2022 16:41
 Operator : CG/JU
 Sample : N5884-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/07/2022
 Supervised By : Jagrut Upadhyay 12/07/2022

Quant Time: Dec 07 05:10:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:04:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	34954	20.000	ng	0.00
21) Naphthalene-d8	10.991	136	143677	20.000	ng	0.00
39) Acenaphthene-d10	14.798	164	100377	20.000	ng	0.00
64) Phenanthrene-d10	17.542	188	214677	20.000	ng	0.00
76) Chrysene-d12	21.819	240	208726	20.000	ng	0.00
86) Perylene-d12	25.174	264	224303	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	237779	122.959	ng	0.00
7) Phenol-d6	7.325	99	316556	122.972	ng	0.00
23) Nitrobenzene-d5	9.340	82	202586	74.526	ng	0.00
42) 2,4,6-Tribromophenol	16.285	330	145150	102.693	ng	0.00
45) 2-Fluorobiphenyl	13.423	172	450568	67.247	ng	0.00
79) Terphenyl-d14	20.127	244	672605	64.453	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.636	142	24575	4.226	ng	96
38) 1-Methylnaphthalene	12.859	142	18068	3.200	ng	# 98
71) Phenanthrene	17.583	178	100593	8.683	ng	98
72) Anthracene	17.671	178	23502m	2.088	ng	
75) Fluoranthene	19.581	202	157558	11.179	ng	98
78) Pyrene	19.945	202	152977	10.828	ng	99
81) Benzo(a)anthracene	21.802	228	91377	6.356	ng	98
83) Chrysene	21.866	228	86647m	6.331	ng	
87) Indeno(1,2,3-cd)pyrene	29.035	276	43205	2.351	ng	# 97
88) Benzo(b)fluoranthene	24.105	252	111390	7.625	ng	# 84
89) Benzo(k)fluoranthene	24.158	252	35958m	2.469	ng	
90) Benzo(a)pyrene	25.010	252	83419	6.655	ng	# 92
92) Benzo(g,h,i)perylene	30.251	276	40719	2.691	ng	# 93

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

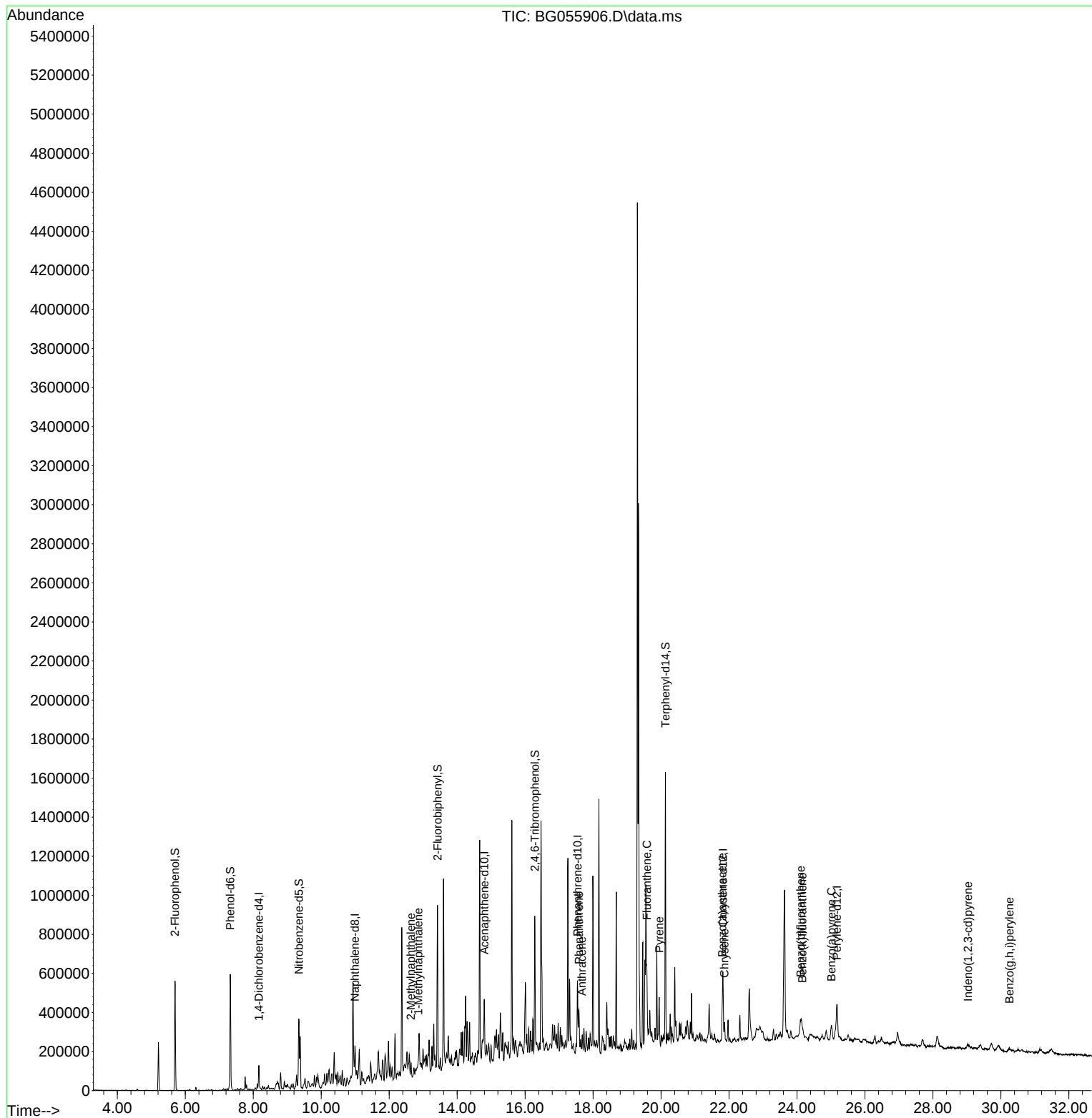
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
Data File : BG055906.D
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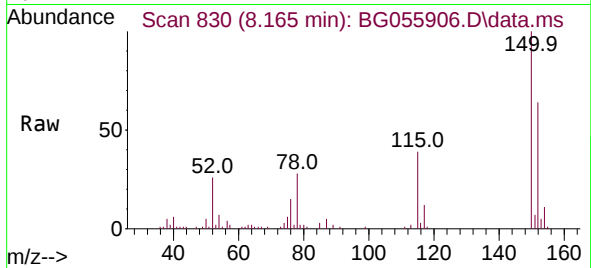
Reviewed By : Christian Giraldo 12/07/2022
Supervised By : Jagrut Upadhyay 12/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.165 min Scan# 845
Delta R.T. 0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

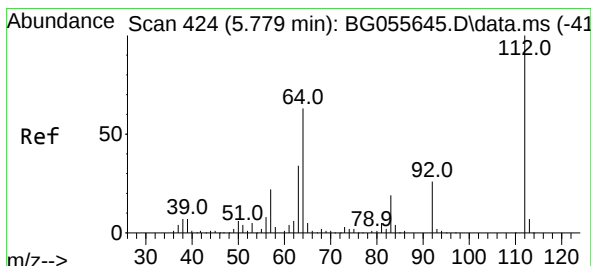
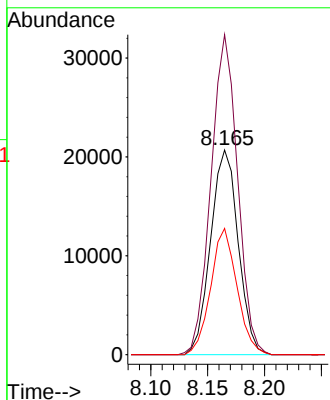
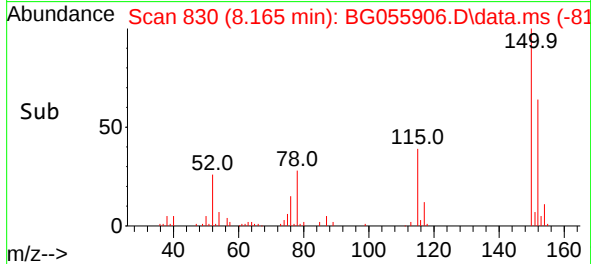
Instrument :
BNA_G
ClientSampleId :
EO-3-120522



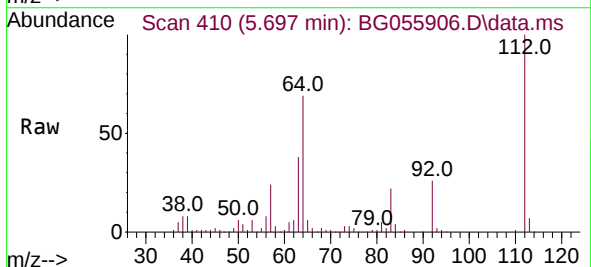
Tgt Ion:152 Resp: 34954
Ion Ratio Lower Upper
152 100
150 156.4 123.0 184.6
115 61.7 47.0 70.4

Manual Integrations
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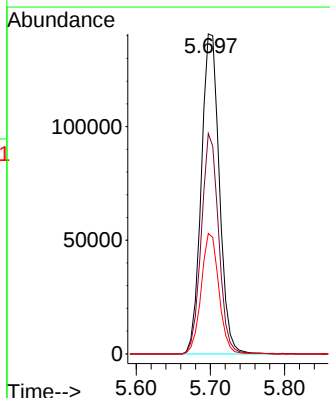
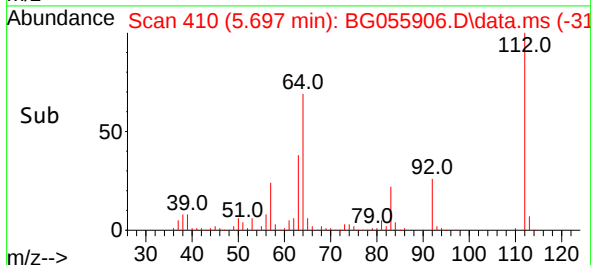
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#5
2-Fluorophenol
Concen: 122.959 ng
RT: 5.697 min Scan# 410
Delta R.T. 0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41



Tgt Ion:112 Resp: 237779
Ion Ratio Lower Upper
112 100
64 68.9 50.6 76.0
63 37.6 27.5 41.3





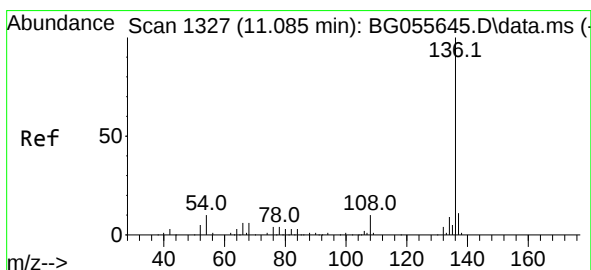
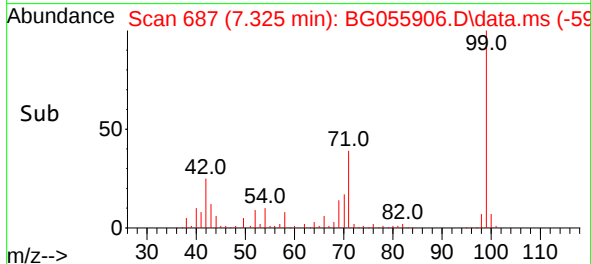
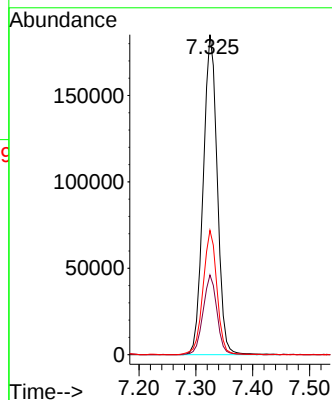
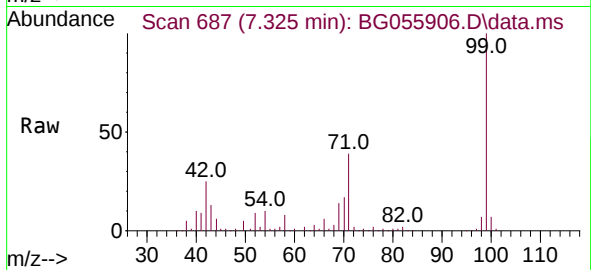
#7
Phenol-d6
Concen: 122.972 ng
RT: 7.325 min Scan# 68
Delta R.T. 0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Instrument :
BNA_G
ClientSampleId :
EO-3-120522

Tgt Ion: 99 Resp: 316556
Ion Ratio Lower Upper
99 100
42 24.9 18.0 27.0
71 38.9 29.0 43.6

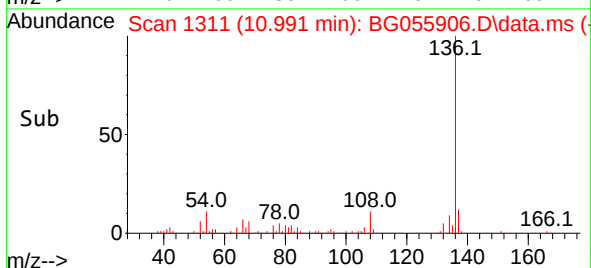
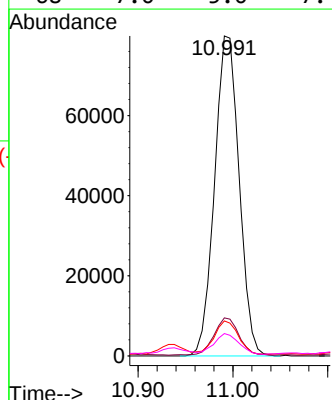
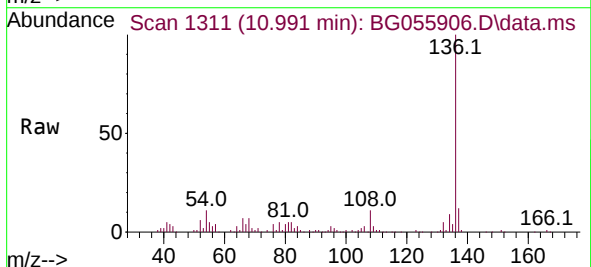
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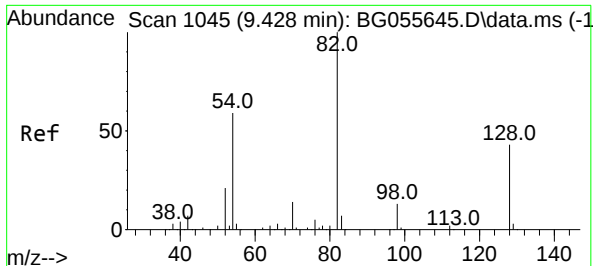
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.991 min Scan# 1311
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Tgt Ion:136 Resp: 143677
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.6
54 10.9 7.8 11.6
68 7.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 74.526 ng

RT: 9.340 min Scan# 1045

Delta R.T. -0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Instrument :

BNA_G

ClientSampleId :

EO-3-120522

Tgt Ion: 82 Resp: 202586

Ion Ratio Lower Upper

82 100

128 41.1 34.1 51.1

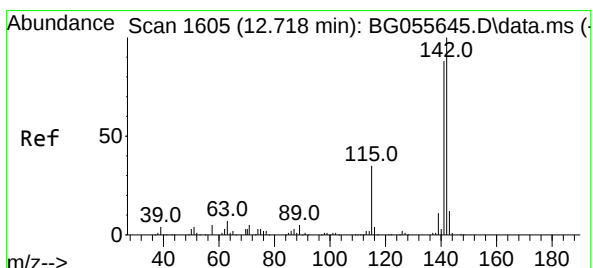
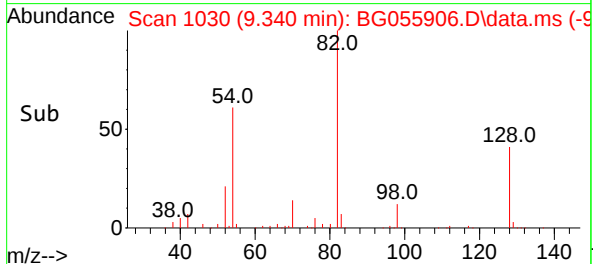
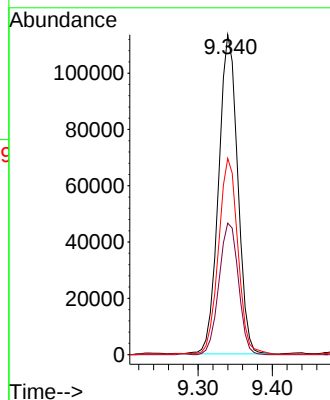
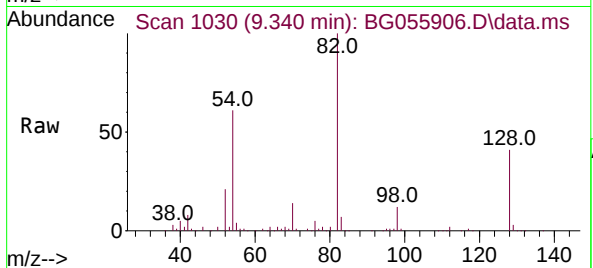
54 61.3 47.3 70.9

Manual Integrations

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Reviewed By :Christian Giraldo 12/07/2022

Supervised By :Jagrut Upadhyay 12/07/2022



#37

2-Methylnaphthalene

Concen: 4.226 ng

RT: 12.636 min Scan# 1591

Delta R.T. -0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

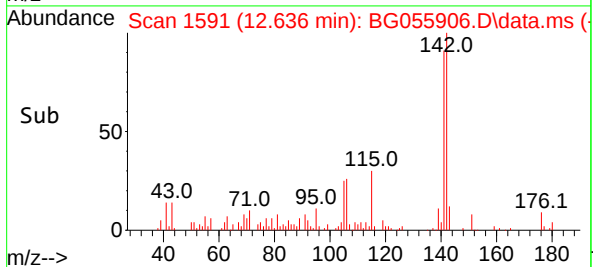
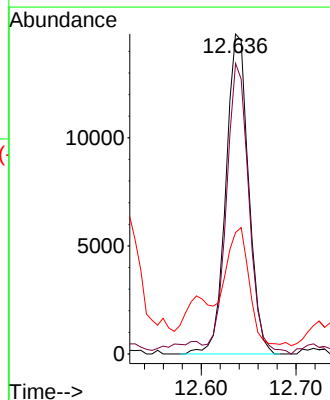
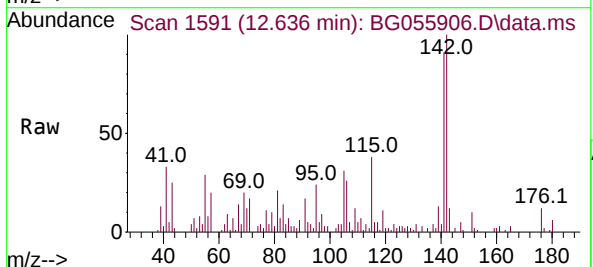
Tgt Ion:142 Resp: 24575

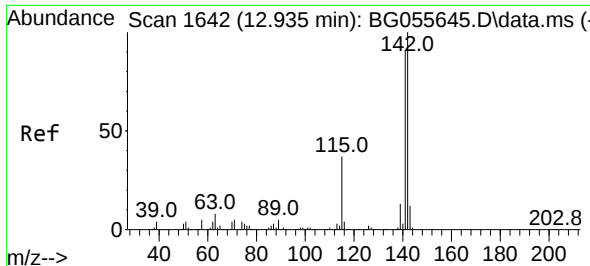
Ion Ratio Lower Upper

142 100

141 90.8 70.3 105.5

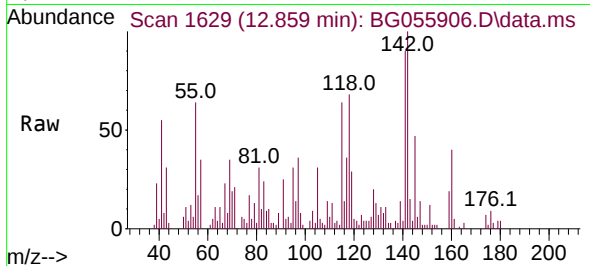
115 37.9 27.9 41.9





#38
1-Methylnaphthalene
Concen: 3.200 ng
RT: 12.859 min Scan# 10
Delta R.T. 0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

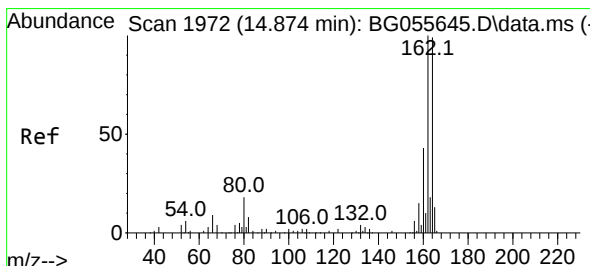
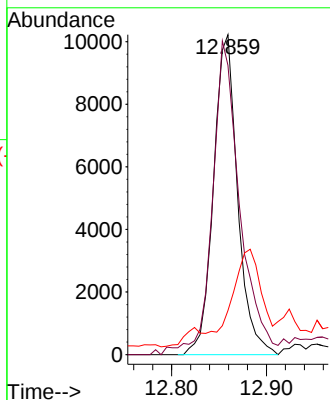
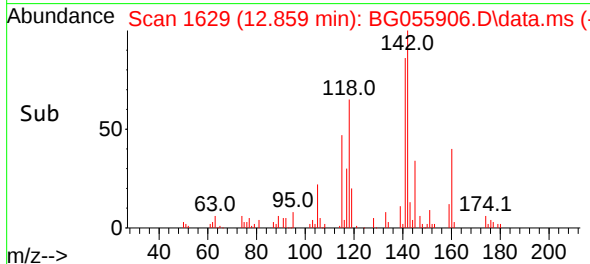
Instrument :
BNA_G
ClientSampleId :
EO-3-120522



Tgt Ion:142 Resp: 18068
Ion Ratio Lower Upper
142 100
141 90.4 73.0 109.4
116 13.8 3.1 4.7

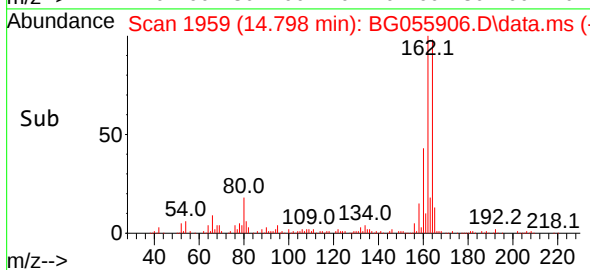
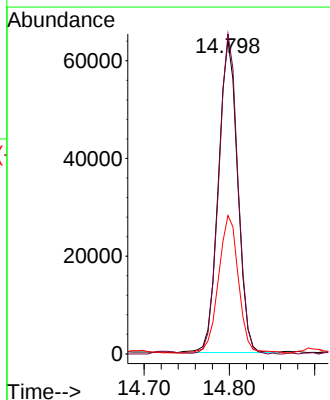
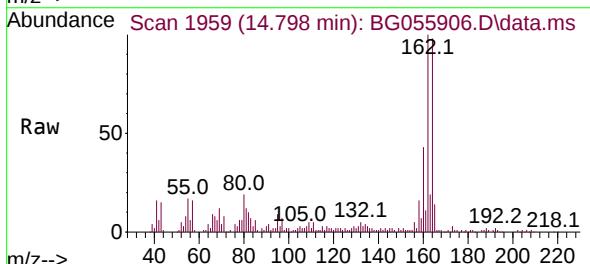
Manual Integrations
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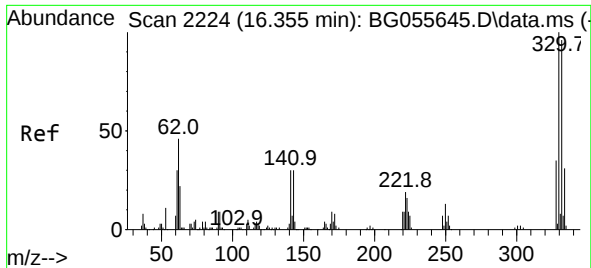
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.798 min Scan# 1959
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

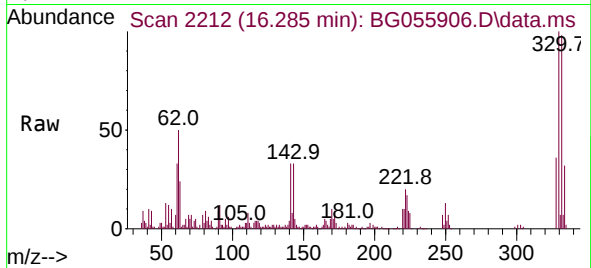
Tgt Ion:164 Resp: 100377
Ion Ratio Lower Upper
164 100
162 102.2 81.1 121.7
160 44.2 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 102.693 ng
RT: 16.285 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

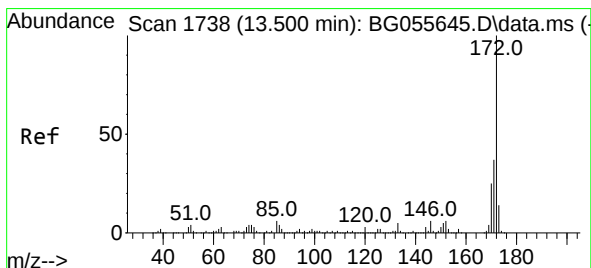
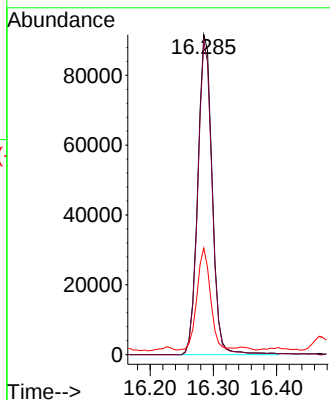
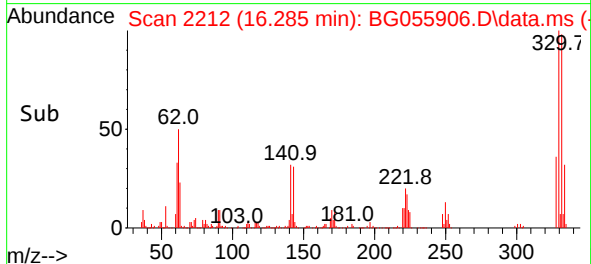
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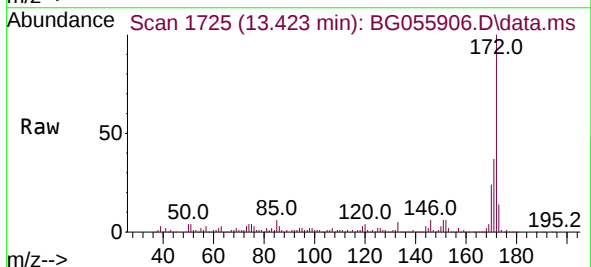
Tgt Ion:330 Resp: 145150
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.8
141 29.9 23.9 35.9

Manual Integrations
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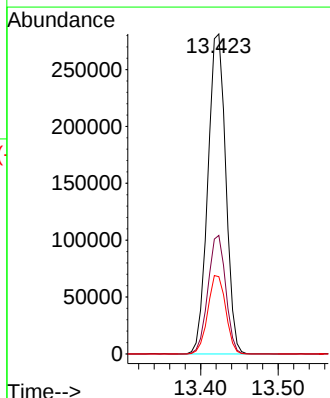
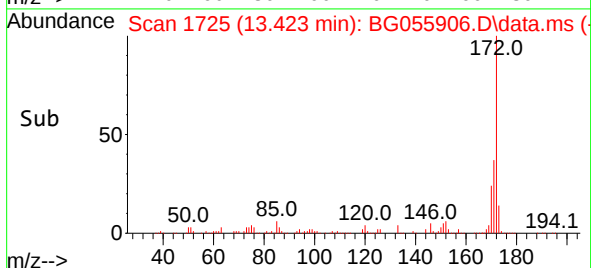
Reviewed By :Christian Giraldo 12/07/2022
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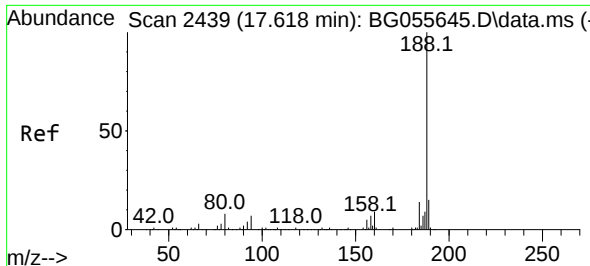


#45
2-Fluorobiphenyl
Concen: 67.247 ng
RT: 13.423 min Scan# 1725
Delta R.T. 0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41



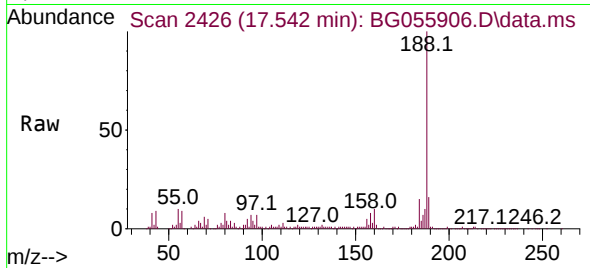
Tgt Ion:172 Resp: 450568
Ion Ratio Lower Upper
172 100
171 37.1 29.8 44.6
170 24.1 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.542 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

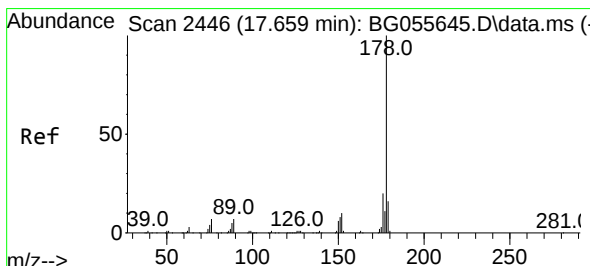
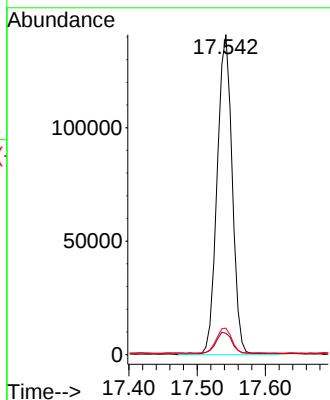
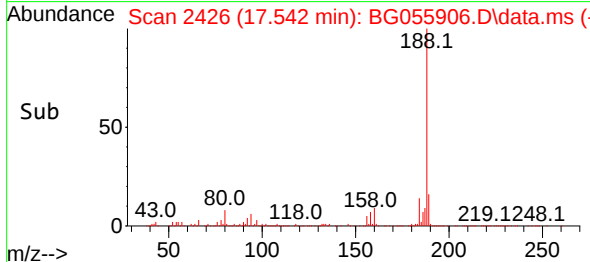
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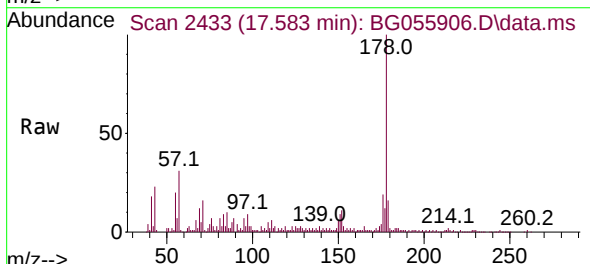
Tgt Ion:188 Resp: 214672
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.2
80 8.3 6.6 10.0

Manual Integrations
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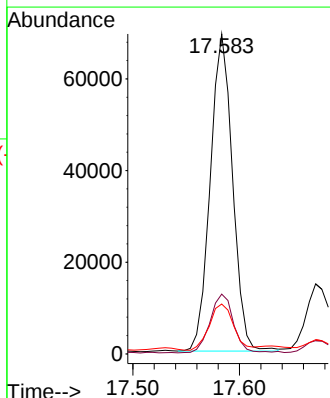
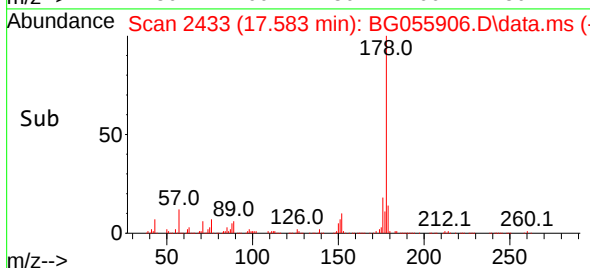
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022

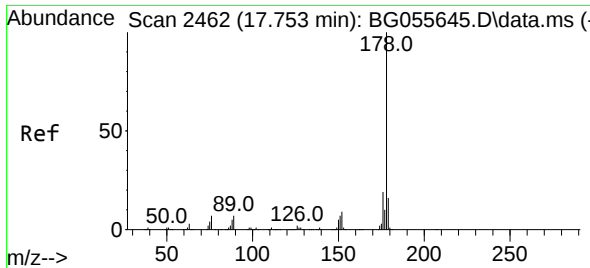


#71
Phenanthrene
Concen: 8.683 ng
RT: 17.583 min Scan# 2433
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41



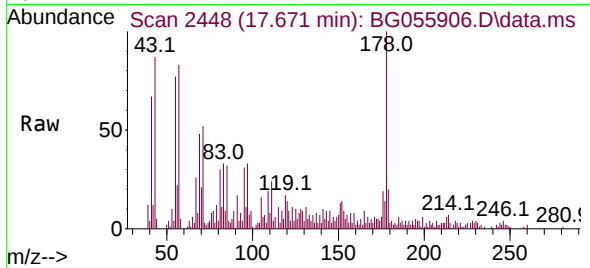
Tgt Ion:178 Resp: 100593
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.6 12.7 19.1





#72
 Anthracene
 Concen: 2.088 ng m
 RT: 17.671 min Scan# 2462
 Delta R.T. -0.003 min
 Lab File: BG055906.D
 Acq: 6 Dec 2022 16:41

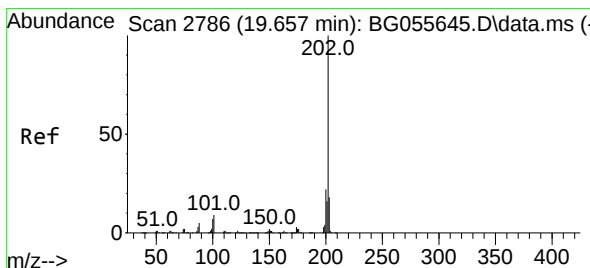
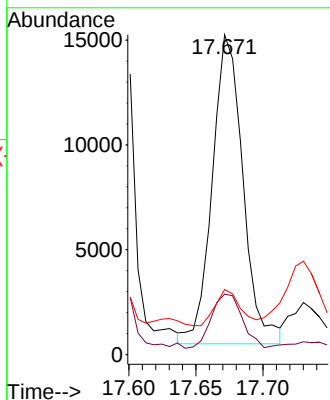
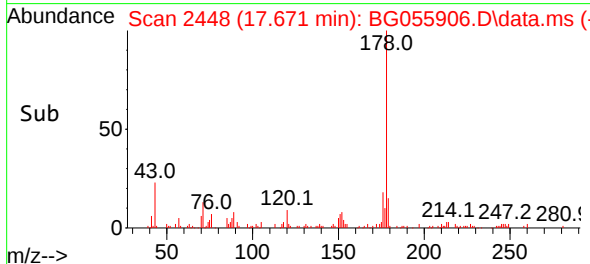
Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522



Tgt Ion:178 Resp: 23502
 Ion Ratio Lower Upper
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 176 18.9 15.5 23.3
 179 20.3 12.5 18.7

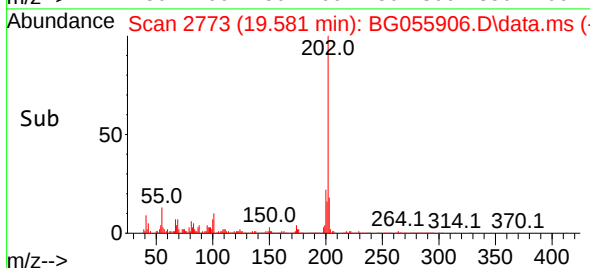
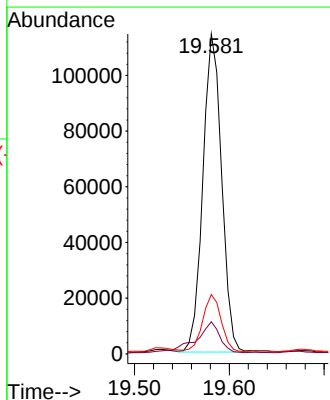
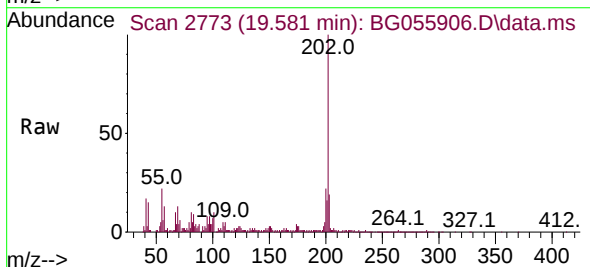
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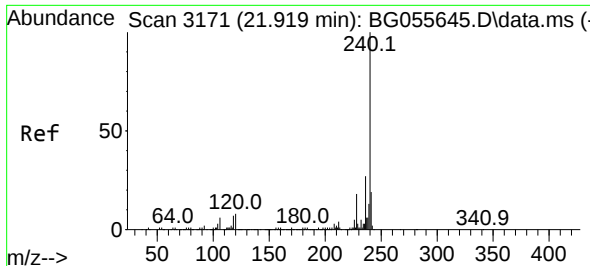
Reviewed By :Christian Giraldo 12/07/2022
 Supervised By :Jagrut Upadhyay 12/07/2022



#75
 Fluoranthene
 Concen: 11.179 ng
 RT: 19.581 min Scan# 2773
 Delta R.T. -0.003 min
 Lab File: BG055906.D
 Acq: 6 Dec 2022 16:41

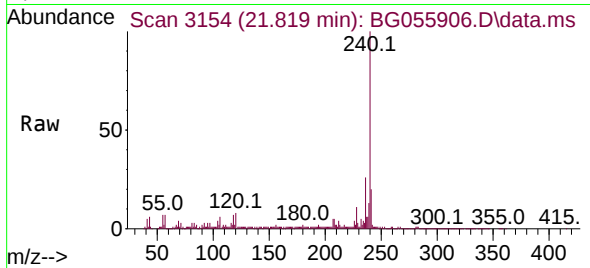
Tgt Ion:202 Resp: 157558
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 28.8
 203 18.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.819 min Scan# 3171
Delta R.T. -0.009 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

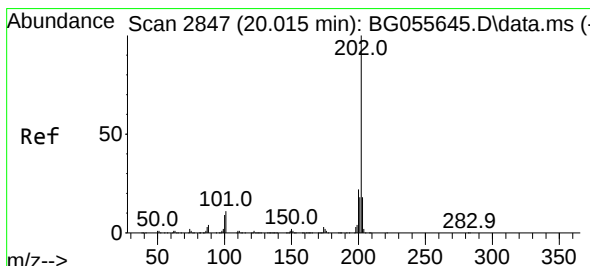
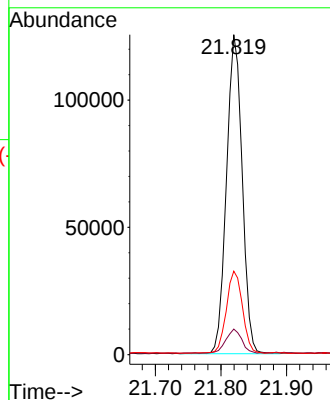
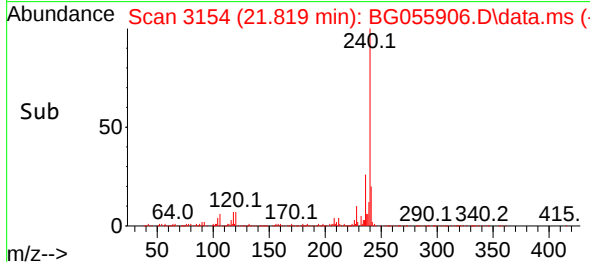
Instrument :
BNA_G
ClientSampleId :
EO-3-120522



Tgt Ion:240 Resp: 208726
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 26.1 21.9 32.9

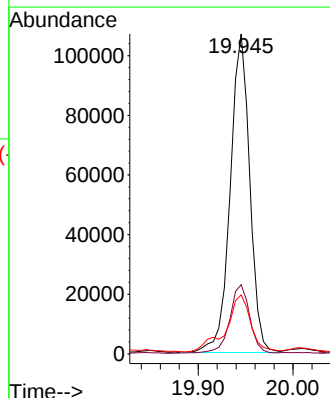
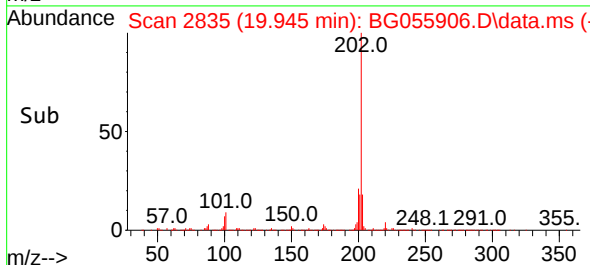
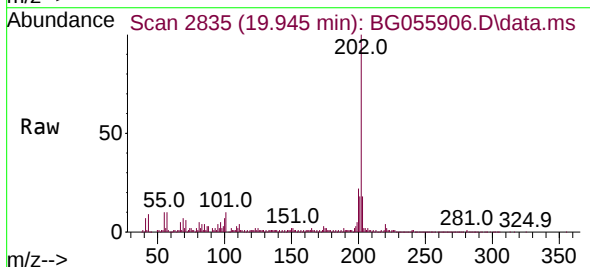
Manual Integrations
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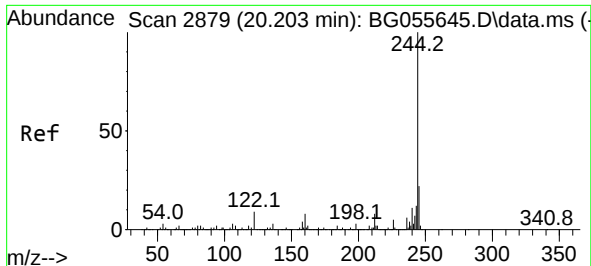
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#78
Pyrene
Concen: 10.828 ng
RT: 19.945 min Scan# 2835
Delta R.T. -0.003 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

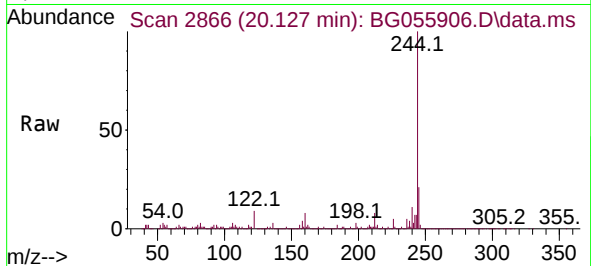
Tgt Ion:202 Resp: 152977
Ion Ratio Lower Upper
202 100
200 21.6 17.8 26.6
203 18.4 14.4 21.6





#79
 Terphenyl-d14
 Concen: 64.453 ng
 RT: 20.127 min Scan# 2879
 Delta R.T. -0.003 min
 Lab File: BG055906.D
 Acq: 6 Dec 2022 16:41

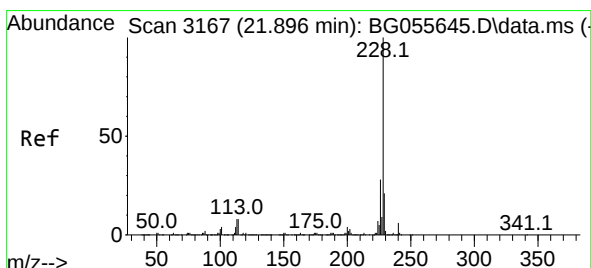
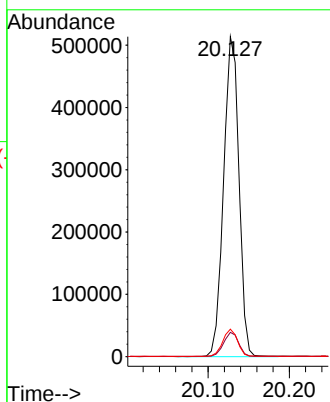
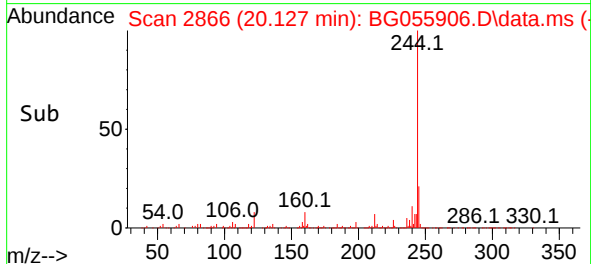
Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522



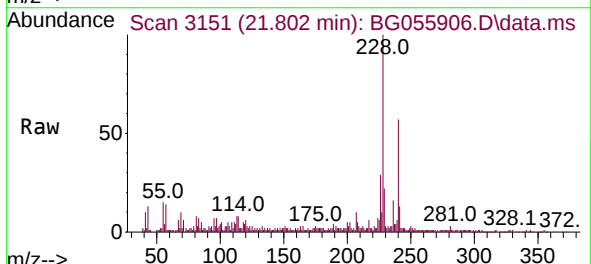
Tgt Ion:244 Resp: 672605
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.3 9.5
 122 8.6 6.9 10.3

Manual Integrations
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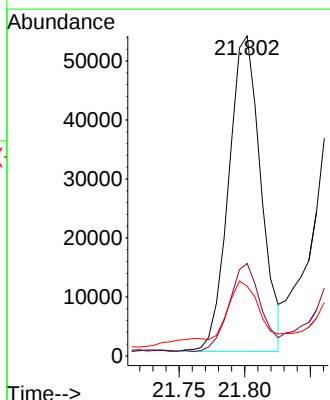
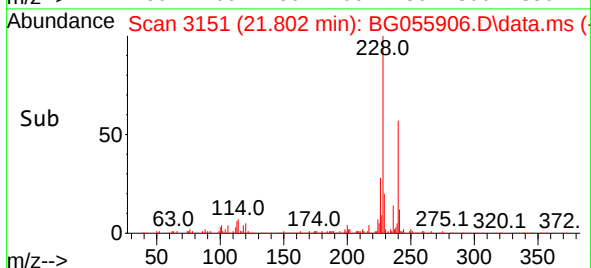
Reviewed By :Christian Giraldo 12/07/2022
 Supervised By :Jagrut Upadhyay 12/07/2022

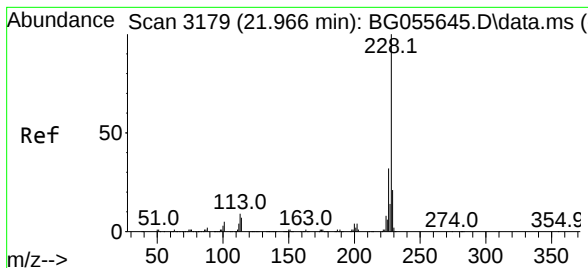


#81
 Benzo(a)anthracene
 Concen: 6.356 ng
 RT: 21.802 min Scan# 3151
 Delta R.T. -0.003 min
 Lab File: BG055906.D
 Acq: 6 Dec 2022 16:41



Tgt Ion:228 Resp: 91377
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.7 34.1
 229 21.8 16.5 24.7





#83

Chrysene

Concen: 6.331 ng m

RT: 21.866 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Instrument :

BNA_G

ClientSampleId :

EO-3-120522

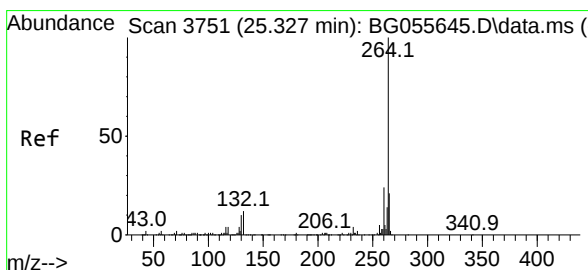
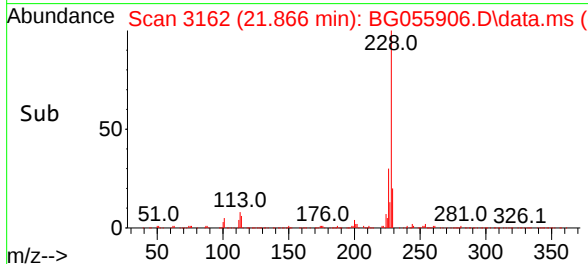
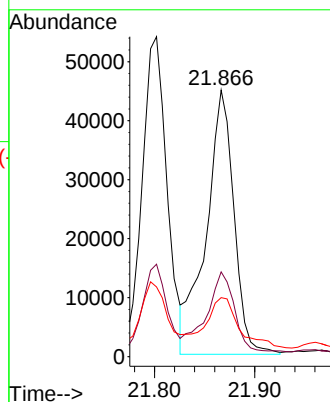
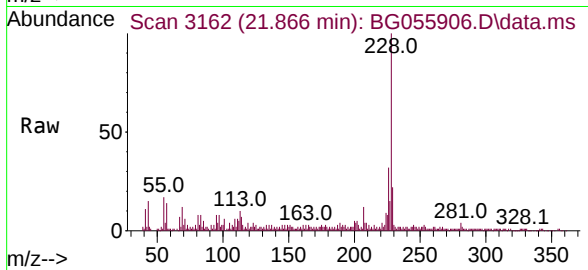
Tgt Ion:	228	Resp:	8664
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.4	38.2
229	22.1	17.1	25.7

Manual Integrations

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Reviewed By :Christian Giraldo 12/07/2022

Supervised By :Jagrut Upadhyay 12/07/2022



#86

Perylene-d12

Concen: 20.000 ng

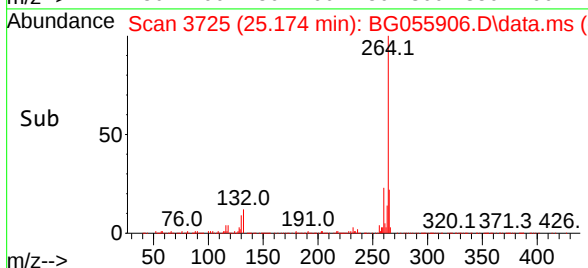
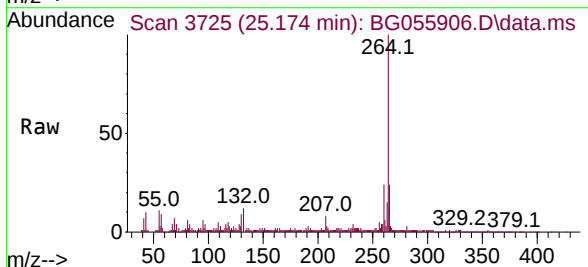
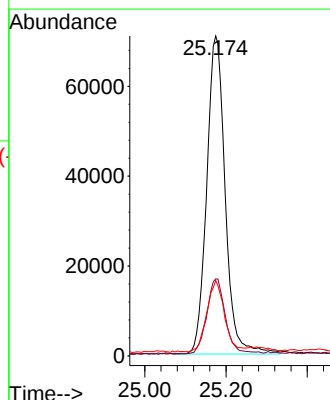
RT: 25.174 min Scan# 3725

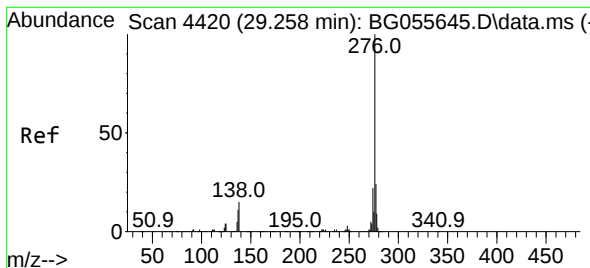
Delta R.T. -0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Tgt Ion:	264	Resp:	224303
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.5	29.3
265	23.5	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.351 ng

RT: 29.035 min Scan# 4382

Delta R.T. -0.009 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

Instrument :

BNA_G

ClientSampleId :

EO-3-120522

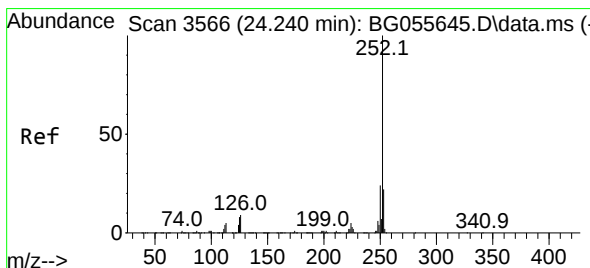
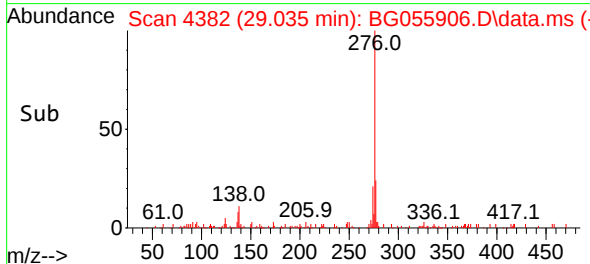
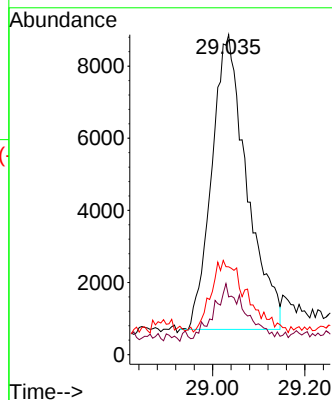
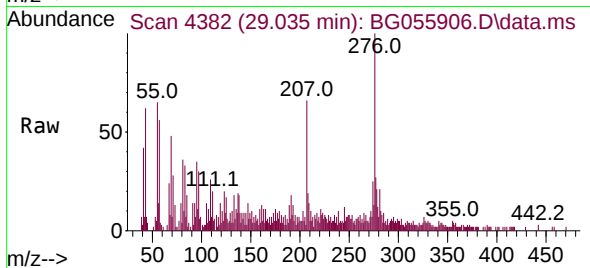
Tgt Ion:	276	Resp:	43205
Ion Ratio	Lower	Upper	
276	100		
138	15.8	10.4	15.6
277	25.2	20.2	30.4

Manual Integrations

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Reviewed By :Christian Giraldo 12/07/2022

Supervised By :Jagrut Upadhyay 12/07/2022



#88

Benzo(b)fluoranthene

Concen: 7.625 ng

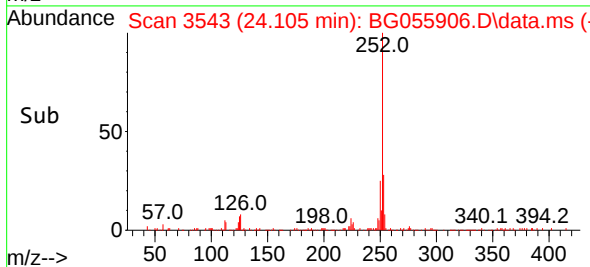
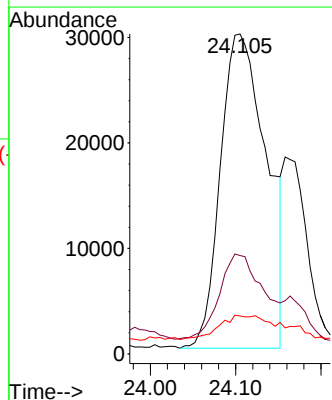
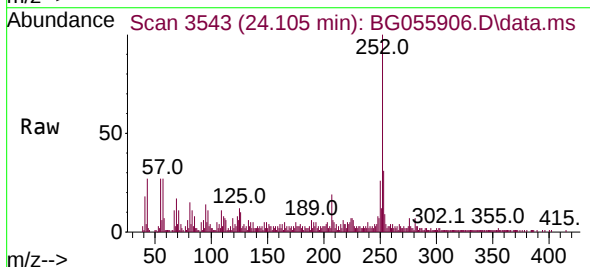
RT: 24.105 min Scan# 3543

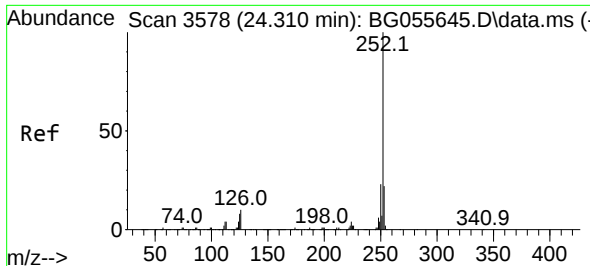
Delta R.T. -0.003 min

Lab File: BG055906.D

Acq: 6 Dec 2022 16:41

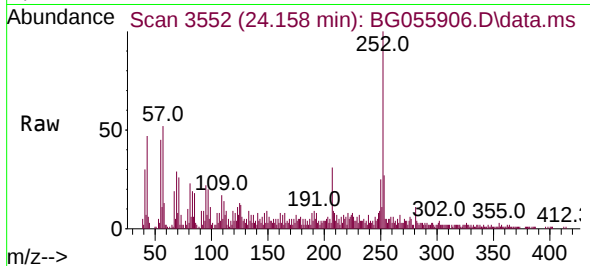
Tgt Ion:	252	Resp:	111390
Ion Ratio	Lower	Upper	
252	100		
253	30.7	18.0	27.0#
125	11.8	6.2	9.2#





#89
Benzo(k)fluoranthene
Concen: 2.469 ng m
RT: 24.158 min Scan# 3552
Delta R.T. -0.021 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

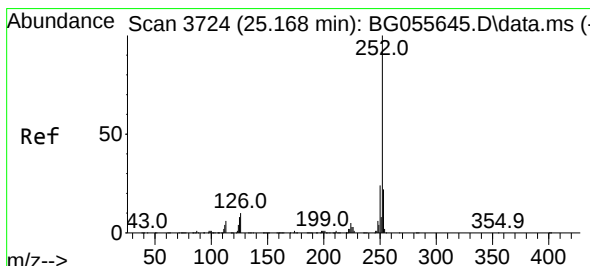
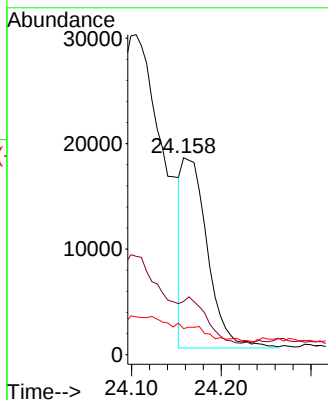
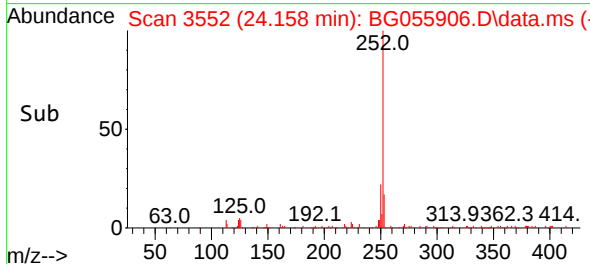
Instrument :
BNA_G
ClientSampleId :
EO-3-120522



Tgt Ion:252 Resp: 35958
Ion Ratio Lower Upper
252 100
253 27.0 17.8 26.6
125 13.2 6.1 9.1

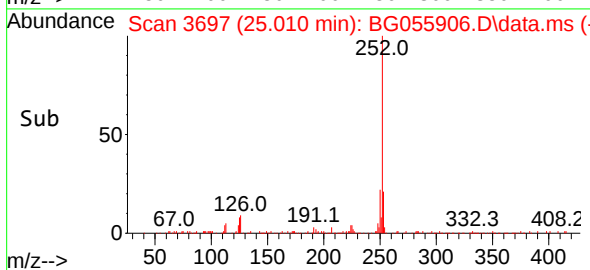
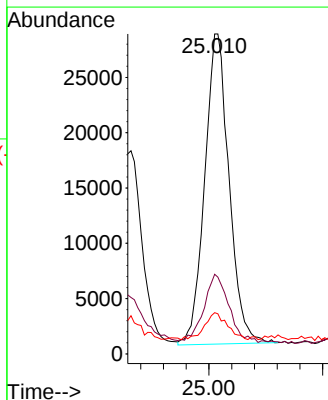
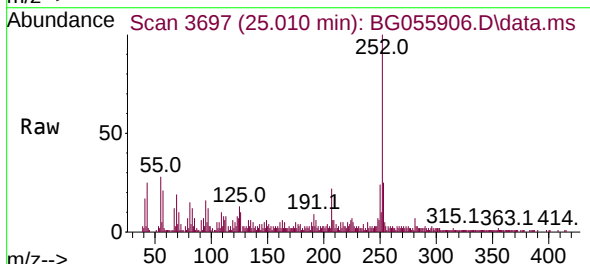
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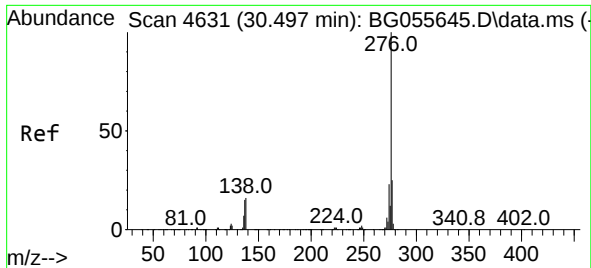
Reviewed By :Christian Giraldo 12/07/2022
Supervised By :Jagrut Upadhyay 12/07/2022



#90
Benzo(a)pyrene
Concen: 6.655 ng
RT: 25.010 min Scan# 3697
Delta R.T. -0.009 min
Lab File: BG055906.D
Acq: 6 Dec 2022 16:41

Tgt Ion:252 Resp: 83419
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 12.9 6.4 9.6





#92

Benzo(g,h,i)perylene

Concen: 2.691 ng

RT: 30.251 min Scan# 4589

Delta R.T. -0.003 min

Lab File: BG055906.D

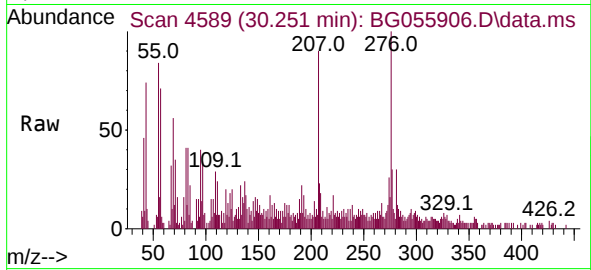
Acq: 6 Dec 2022 16:41

Instrument :

BNA_G

ClientSampleId :

EO-3-120522



Tgt Ion:276 Resp: 40719

Ion Ratio Lower Upper

276 100

277 30.3 19.8 29.6

138 16.7 13.1 19.7

Manual Integrations

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Reviewed By :Christian Giraldo 12/07/2022

Supervised By :Jagrut Upadhyay 12/07/2022

