

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111822\
 Data File : BG055705.D
 Acq On : 19 Nov 2022 1:05
 Operator : CG/JU
 Sample : N5695-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-1-111722

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022

Quant Time: Nov 19 01:55:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.252	152	51565	20.000	ng	0.00
21) Naphthalene-d8	11.084	136	214274	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	146353	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	310993	20.000	ng	0.00
76) Chrysene-d12	21.924	240	282118	20.000	ng	0.00
86) Perylene-d12	25.350	264	255432	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	175980	61.687	ng	0.00
7) Phenol-d6	7.400	99	231024	60.835	ng	0.01
23) Nitrobenzene-d5	9.421	82	143247	35.335	ng	0.00
42) 2,4,6-Tribromophenol	16.360	330	114485	55.553	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	350119	35.840	ng	0.00
79) Terphenyl-d14	20.203	244	510424	36.187	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.914	166	22794	2.074	ng	99
71) Phenanthrene	17.665	178	336971	20.079	ng	100
72) Anthracene	17.753	178	84944	5.209	ng	99
75) Fluoranthene	19.662	202	916106	44.869	ng	99
78) Pyrene	20.027	202	886963	46.448	ng	98
81) Benzo(a)anthracene	21.901	228	530079	27.280	ng	99
83) Chrysene	21.971	228	527375m	28.509	ng	
87) Indeno(1,2,3-cd)pyrene	29.292	276	187406	8.956	ng	# 86
88) Benzo(b)fluoranthene	24.257	252	550609	33.099	ng	95
89) Benzo(k)fluoranthene	24.316	252	315551m	19.030	ng	
90) Benzo(a)pyrene	25.191	252	486283	34.065	ng	95
91) Dibenzo(a,h)anthracene	29.345	278	44129m	2.581	ng	
92) Benzo(g,h,i)perylene	30.532	276	162947m	9.455	ng	

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

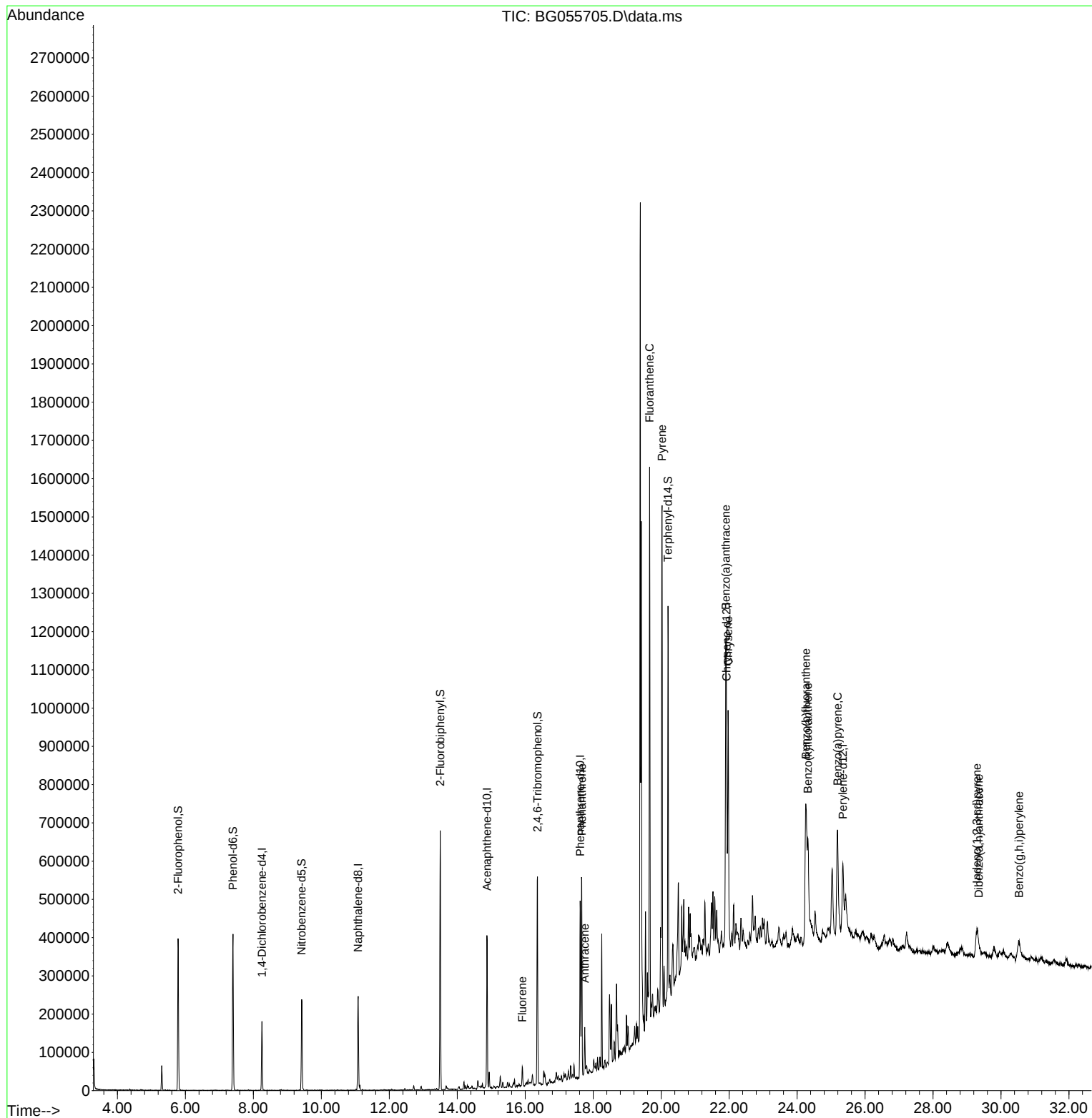
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111822\
Data File : BG055705.D
Acq On : 19 Nov 2022 1:05
Operator : CG/JU
Sample : N5695-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

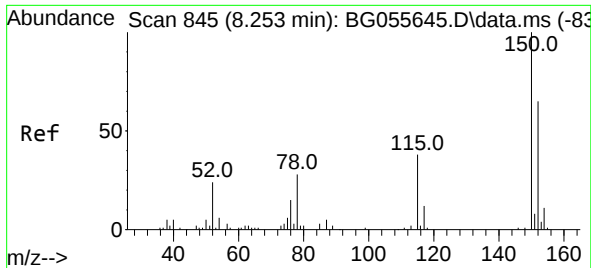
Instrument :
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Quant Time: Nov 19 01:55:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 17 02:02:46 2022
Response via : Initial Calibration

Manual Integrations
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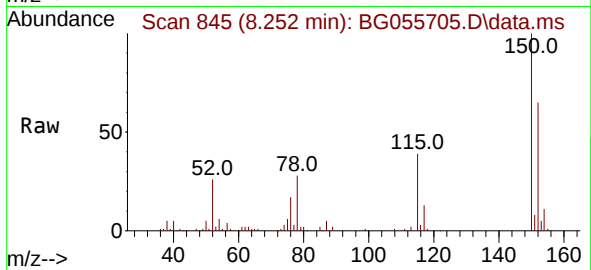
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.252 min Scan# 845
Delta R.T. -0.001 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

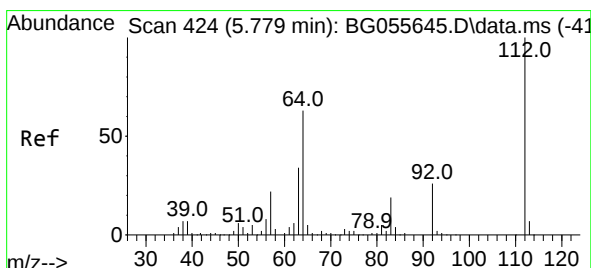
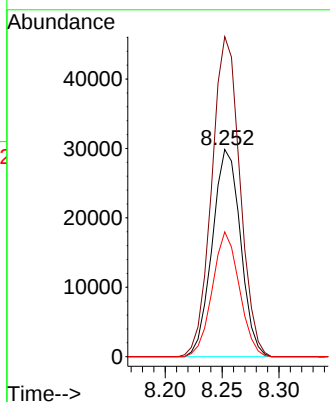
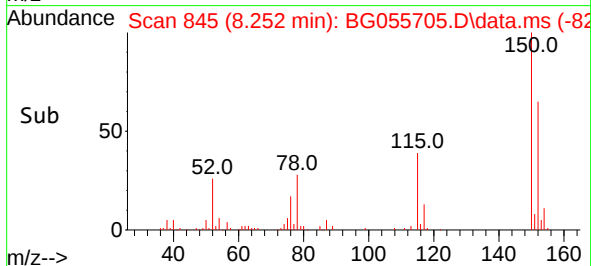
Instrument :
BNA_G
ClientSampleId :
HD-1-111722



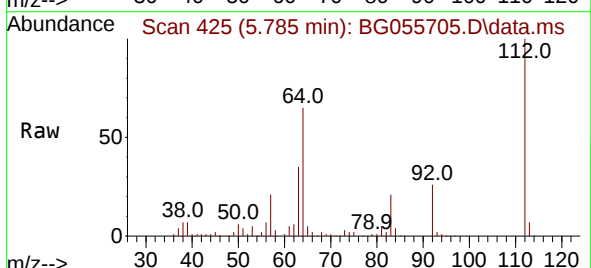
Tgt Ion:152 Resp: 5156
Ion Ratio Lower Upper
152 100
150 154.4 123.0 184.6
115 60.2 47.0 70.4

Manual Integrations
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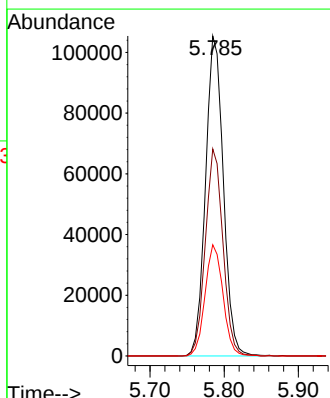
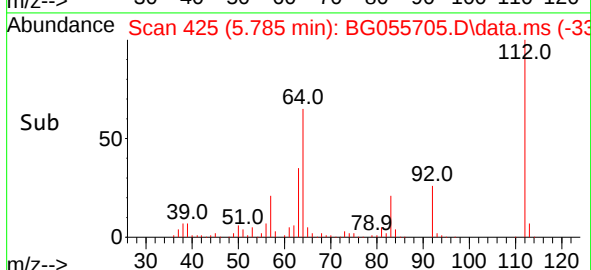
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

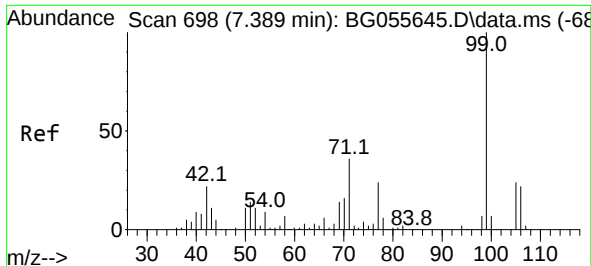


#5
2-Fluorophenol
Concen: 61.687 ng
RT: 5.785 min Scan# 425
Delta R.T. 0.005 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05



Tgt Ion:112 Resp: 175980
Ion Ratio Lower Upper
112 100
64 64.7 50.6 76.0
63 34.8 27.5 41.3





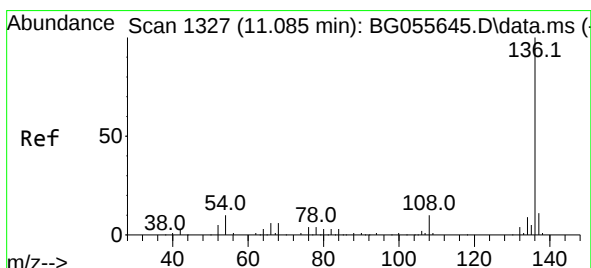
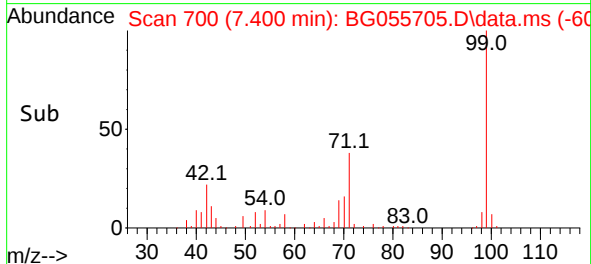
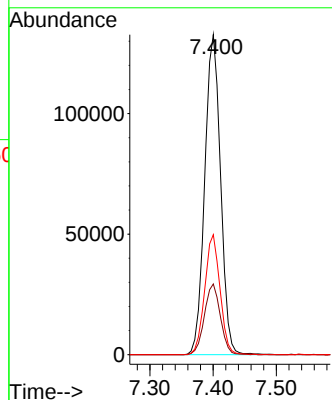
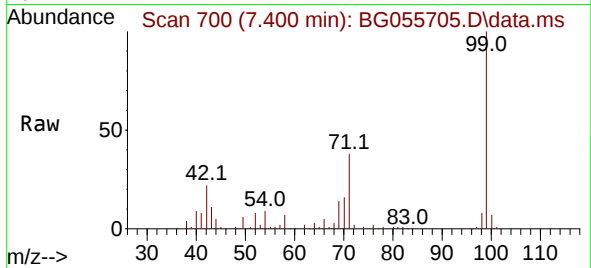
#7
Phenol-d6
Concen: 60.835 ng
RT: 7.400 min Scan# 70
Delta R.T. 0.011 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

Instrument :
BNA_G
ClientSampleId :
HD-1-111722

Tgt Ion: 99 Resp: 231024
Ion Ratio Lower Upper
99 100
42 22.1 18.0 27.0
71 37.5 29.0 43.6

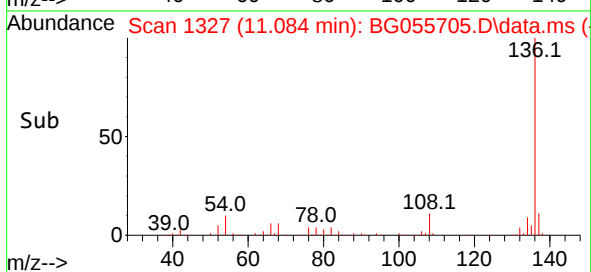
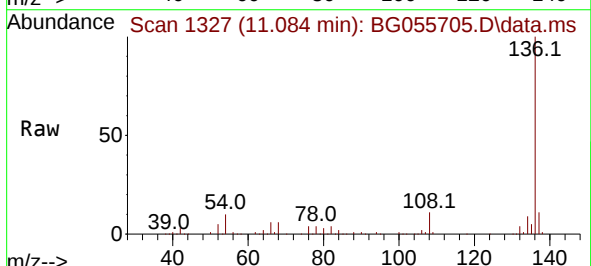
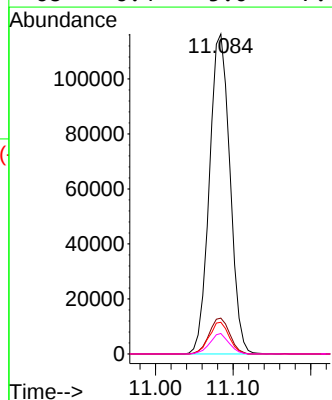
Manual Integrations
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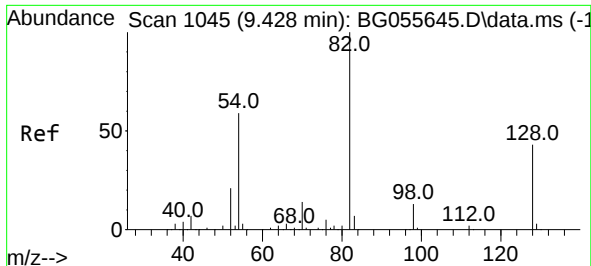
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.084 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

Tgt Ion:136 Resp: 214274
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 9.9 7.8 11.6
68 6.4 5.0 7.4





#23
Nitrobenzene-d5
Concen: 35.335 ng
RT: 9.421 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

Instrument :

BNA_G

ClientSampleId :

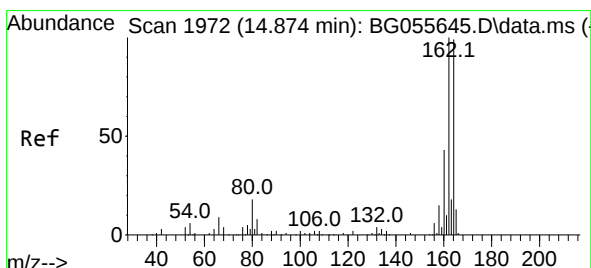
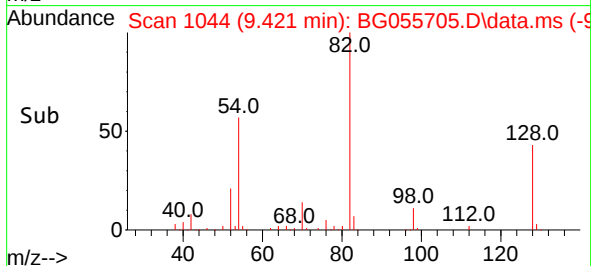
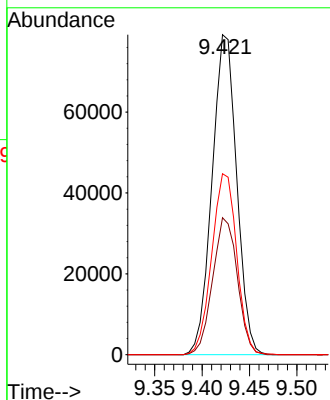
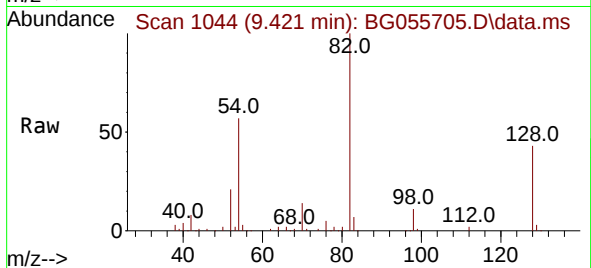
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Tgt Ion: 82 Resp: 14324
Ion Ratio Lower Upper
82 100
128 42.8 34.1 51.1
54 56.6 47.3 70.9

Manual Integrations

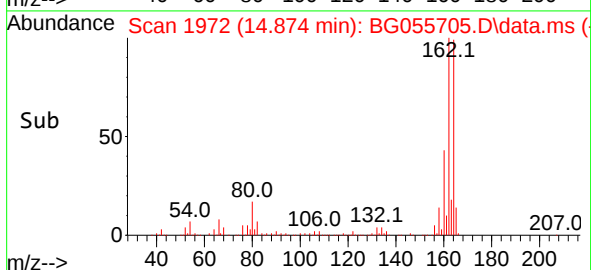
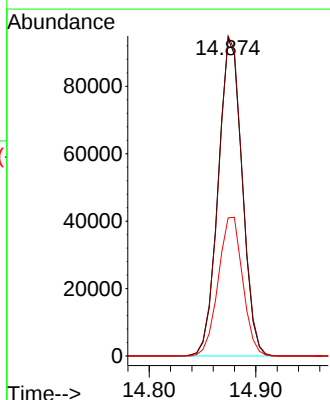
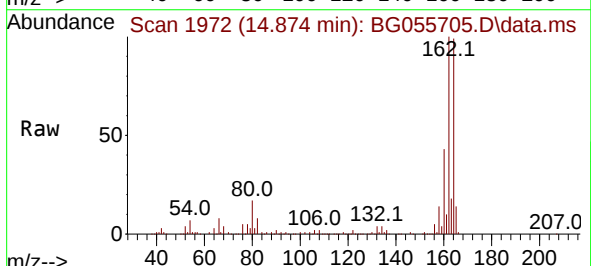
APPROVED

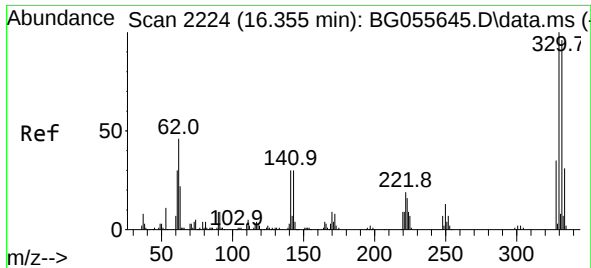
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1972
Delta R.T. -0.000 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

Tgt Ion:164 Resp: 146353
Ion Ratio Lower Upper
164 100
162 100.8 81.1 121.7
160 43.5 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 55.553 ng
RT: 16.360 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

Instrument :

BNA_G

ClientSampleId :

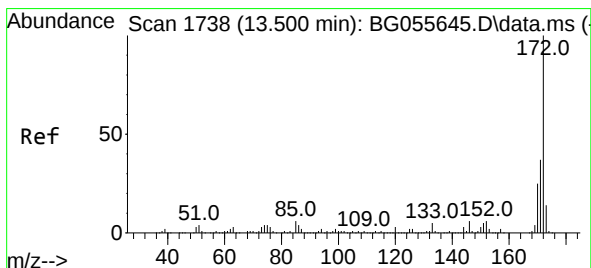
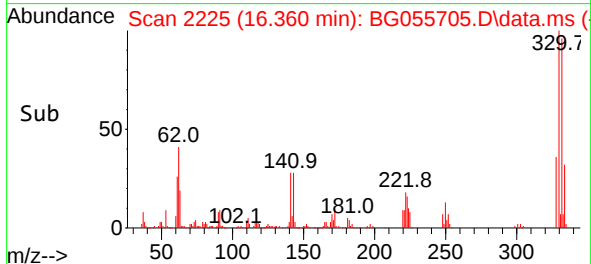
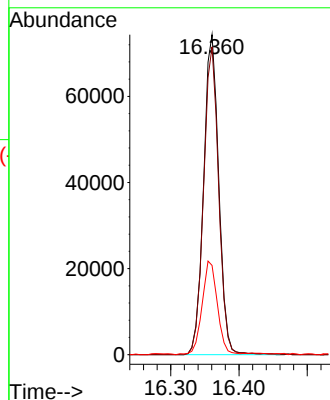
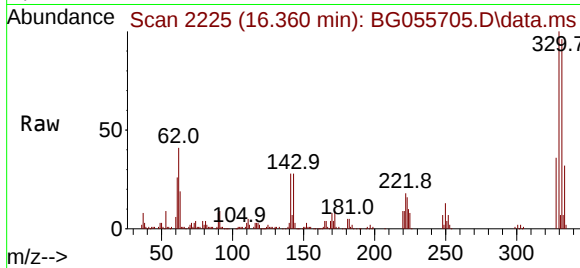
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Tgt Ion:330 Resp: 11448
Ion Ratio Lower Upper
330 100
332 95.6 77.8 116.8
141 29.5 23.9 35.9

Manual Integrations

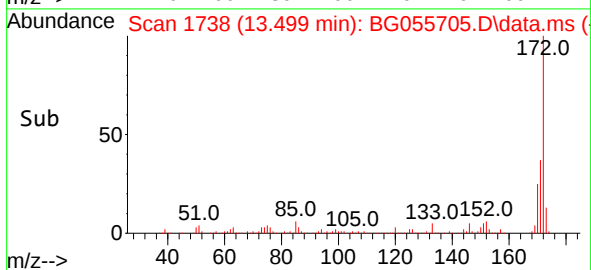
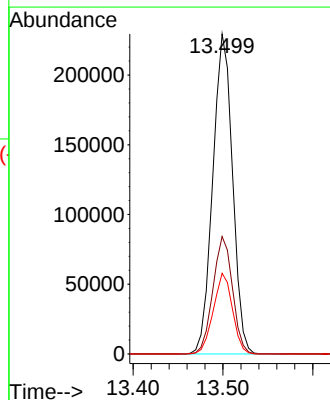
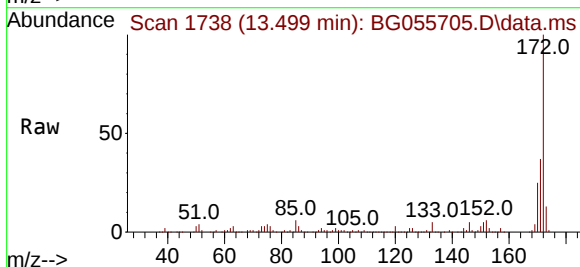
APPROVED

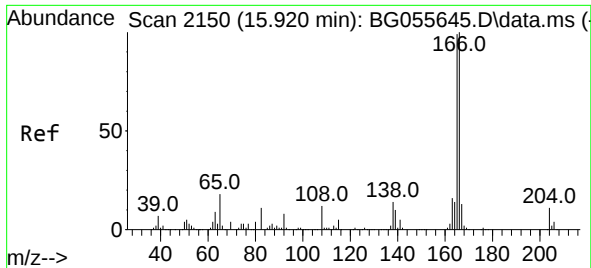
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#45
2-Fluorobiphenyl
Concen: 35.840 ng
RT: 13.499 min Scan# 1738
Delta R.T. -0.000 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

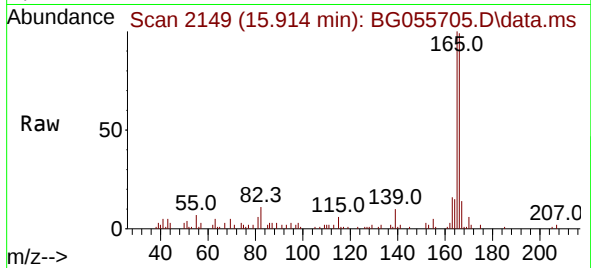
Tgt Ion:172 Resp: 350119
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 25.2 20.2 30.4





#58
Fluorene
Concen: 2.074 ng
RT: 15.914 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

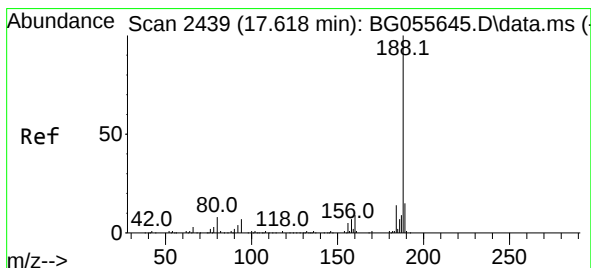
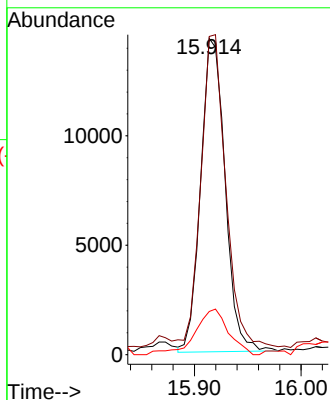
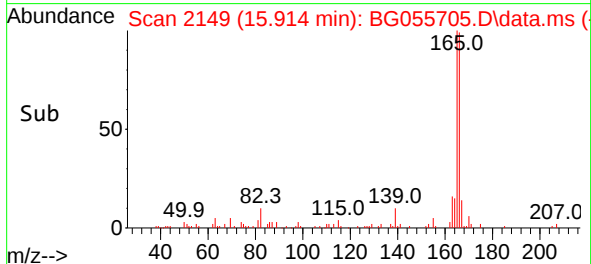
Instrument :
BNA_G
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HD-1-111722



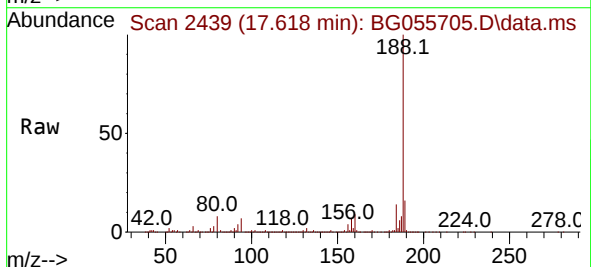
Tgt Ion:166 Resp: 22794
Ion Ratio Lower Upper
166 100
165 100.6 79.3 118.9
167 13.7 10.6 15.8

Manual Integrations
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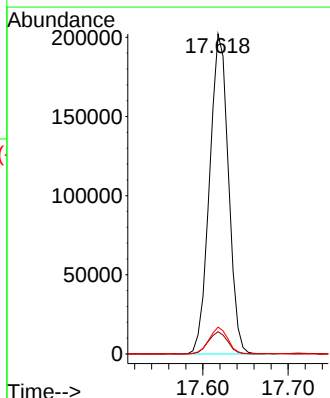
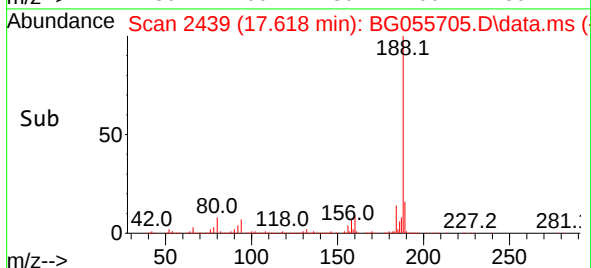
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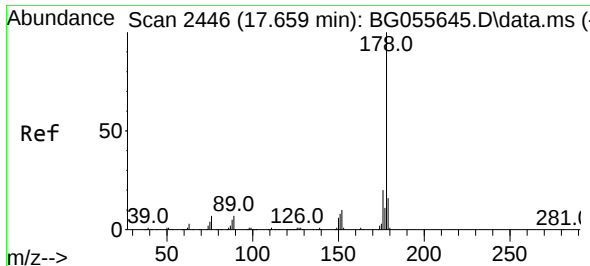


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05



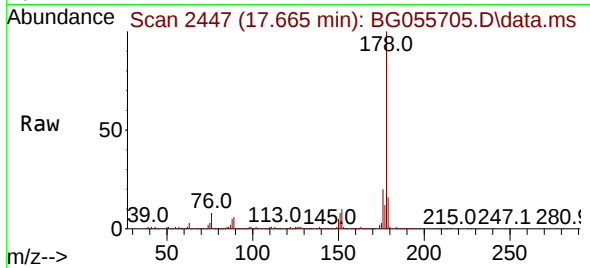
Tgt Ion:188 Resp: 310993
Ion Ratio Lower Upper
188 100
94 6.9 5.4 8.2
80 8.4 6.6 10.0





#71
Phenanthrene
Concen: 20.079 ng
RT: 17.665 min Scan# 2446
Delta R.T. 0.005 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

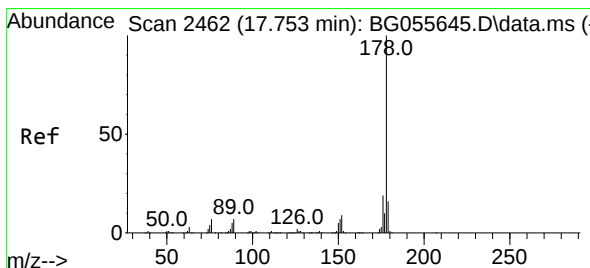
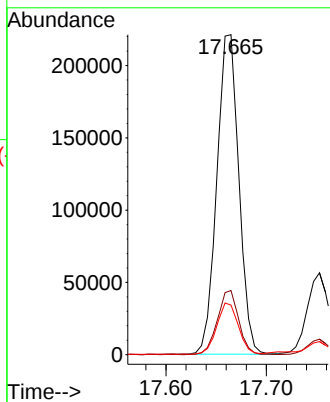
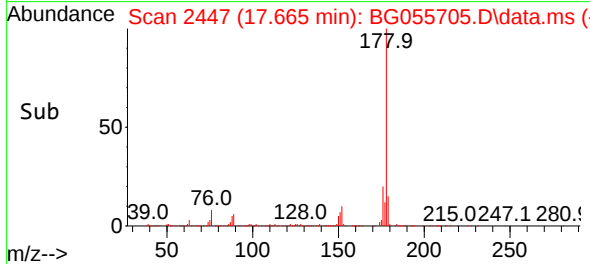
Instrument :
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HD-1-111722



Tgt Ion:178 Resp: 33697
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 15.5 12.7 19.1

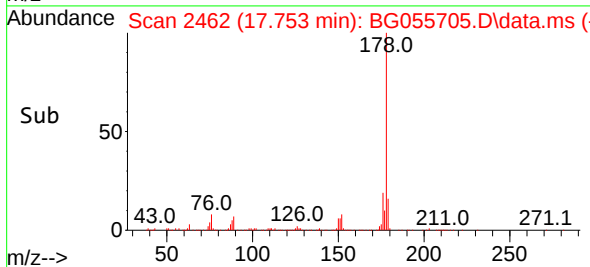
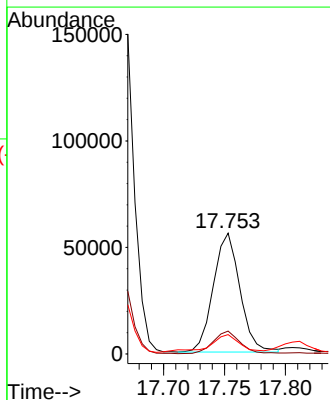
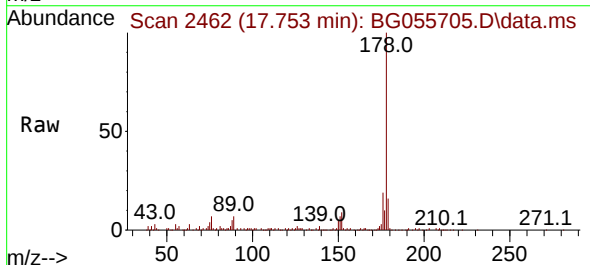
Manual Integrations
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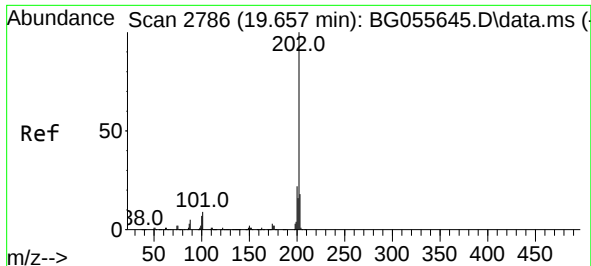
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 5.209 ng
RT: 17.753 min Scan# 2462
Delta R.T. -0.000 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

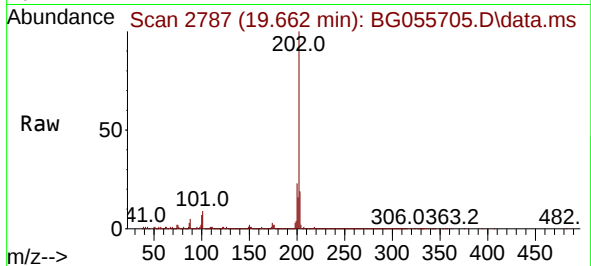
Tgt Ion:178 Resp: 84944
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 16.0 12.5 18.7





#75
Fluoranthene
Concen: 44.869 ng
RT: 19.662 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

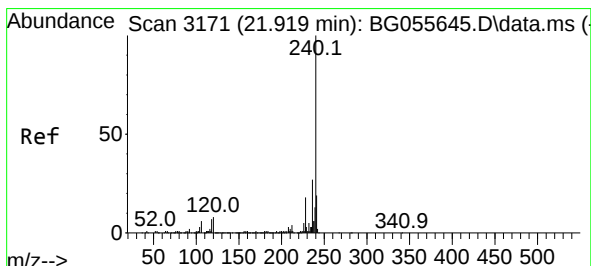
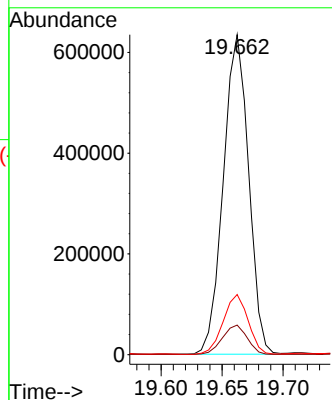
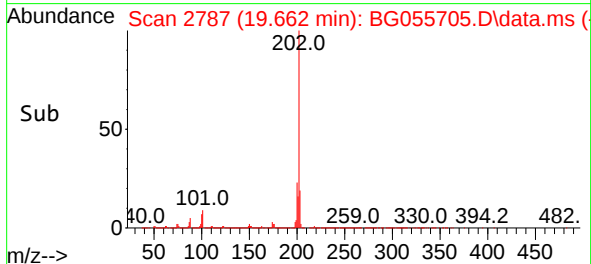
Instrument :
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HD-1-111722



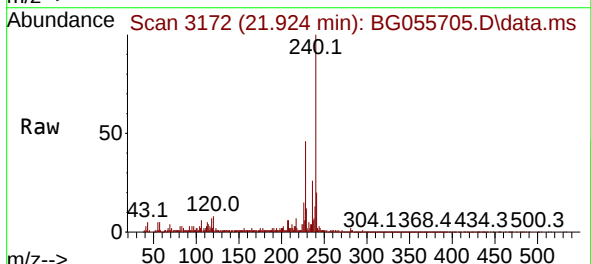
Tgt Ion:202 Resp: 916100
Ion Ratio Lower Upper
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101 9.3 0.0 28.8
203 18.8 0.0 38.1

Manual Integrations
APPROVED

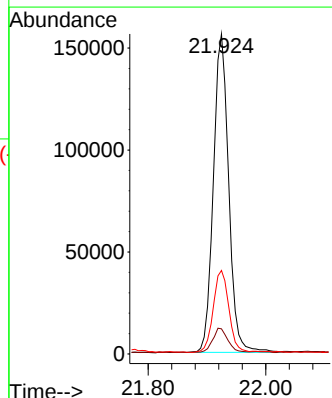
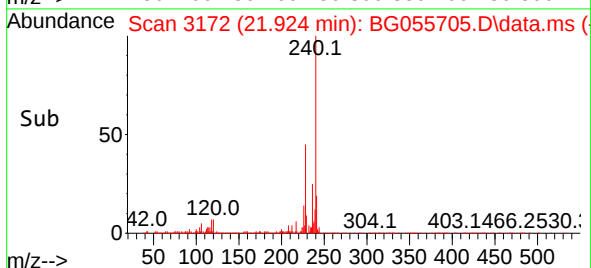
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

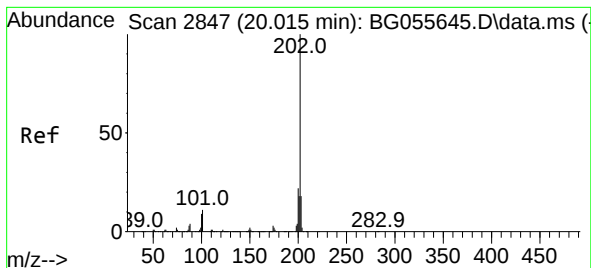


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. 0.005 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05



Tgt Ion:240 Resp: 282118
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 26.1 21.9 32.9





#78

Pyrene

Concen: 46.448 ng

RT: 20.027 min Scan# 2849

Delta R.T. 0.011 min

Lab File: BG055705.D

Acq: 19 Nov 2022 1:05

Instrument :

BNA_G

ClientSampleId :

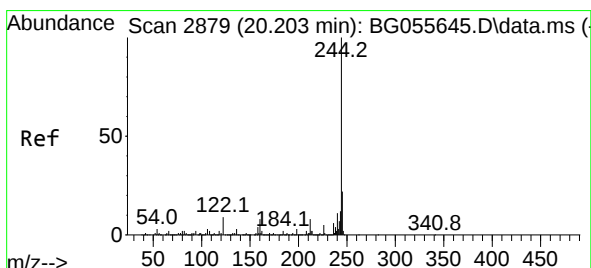
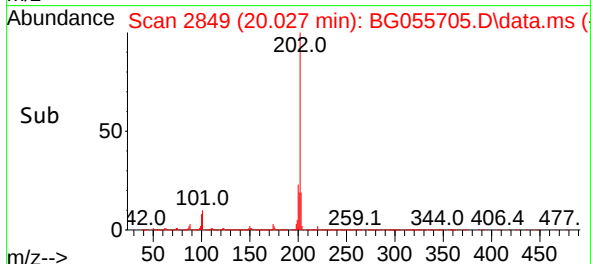
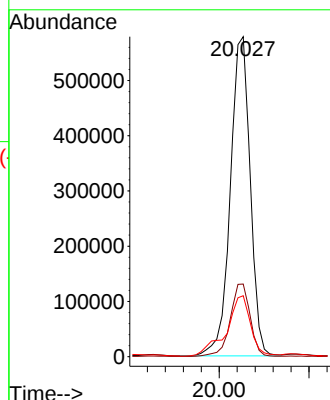
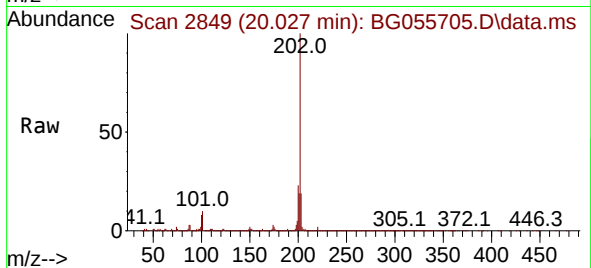
HD-1-111722

Tgt Ion:	202	Resp:	88696
Ion Ratio	Lower	Upper	
202	100		
200	22.7	17.8	26.6
203	19.1	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#79

Terphenyl-d14

Concen: 36.187 ng

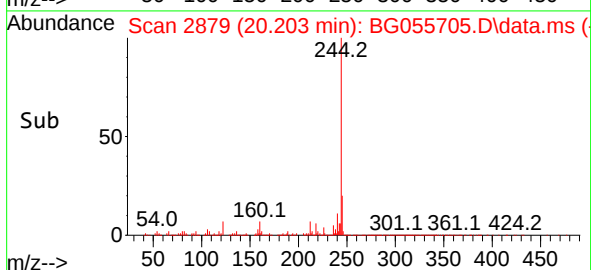
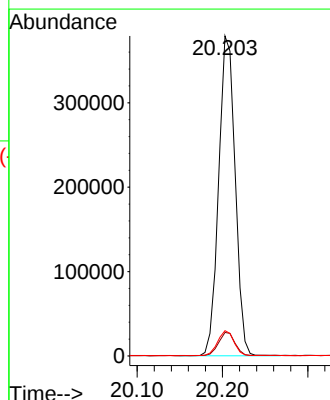
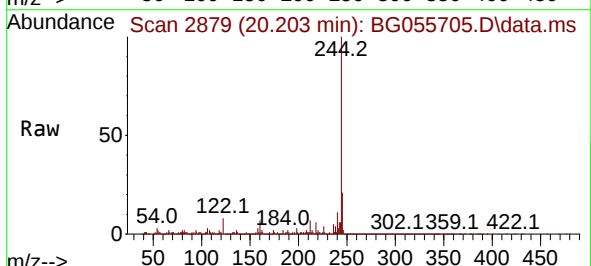
RT: 20.203 min Scan# 2879

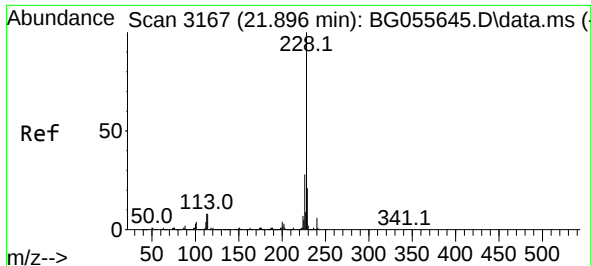
Delta R.T. -0.000 min

Lab File: BG055705.D

Acq: 19 Nov 2022 1:05

Tgt Ion:	244	Resp:	510424
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.3	9.5
122	7.9	6.9	10.3





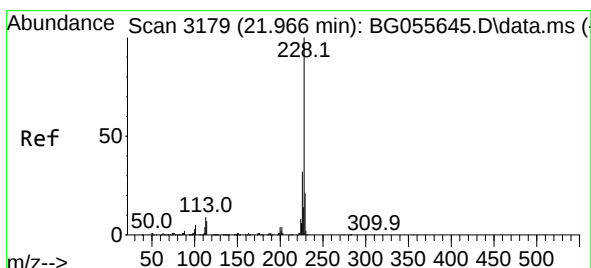
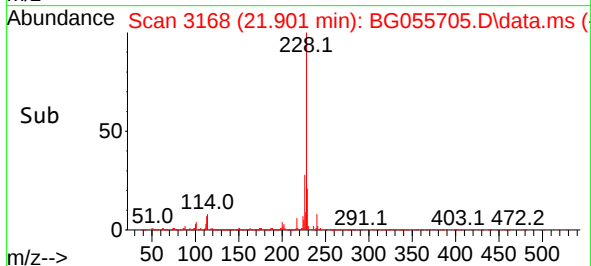
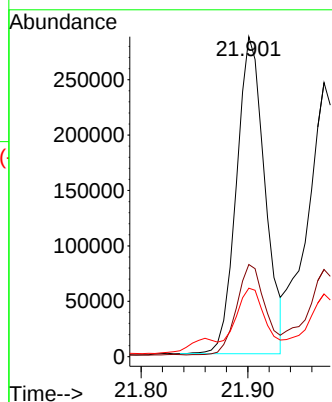
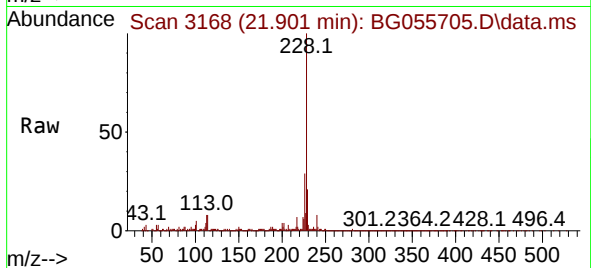
#81
Benzo(a)anthracene
Concen: 27.280 ng
RT: 21.901 min Scan# 3167
Delta R.T. 0.005 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

Instrument :
BNA_G
ClientSampleId :
HD-1-111722

Tgt Ion:228 Resp: 530079
Ion Ratio Lower Upper
228 100
226 28.8 22.7 34.1
229 21.4 16.5 24.7

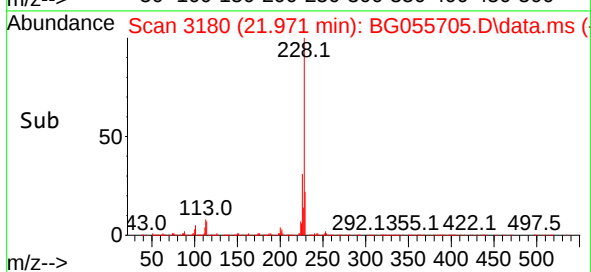
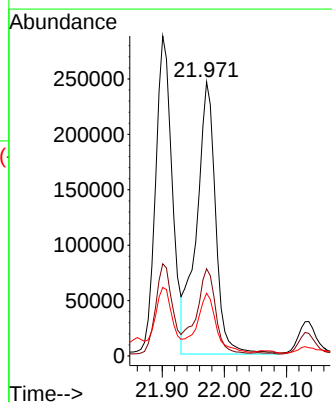
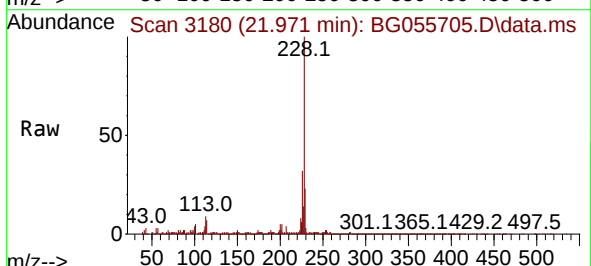
Manual Integrations
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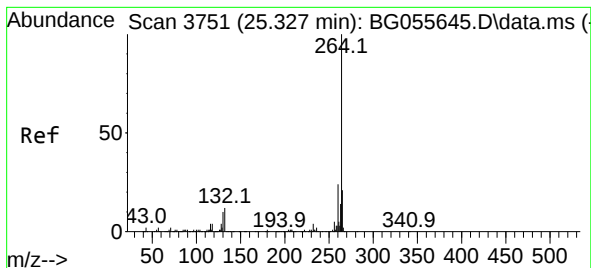
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#83
Chrysene
Concen: 28.509 ng m
RT: 21.971 min Scan# 3180
Delta R.T. 0.005 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

Tgt Ion:228 Resp: 527375
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 22.9 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.350 min Scan# 31

Delta R.T. 0.023 min

Lab File: BG055705.D

Acq: 19 Nov 2022 1:05

Instrument :

BNA_G

ClientSampleId :

HD-1-111722

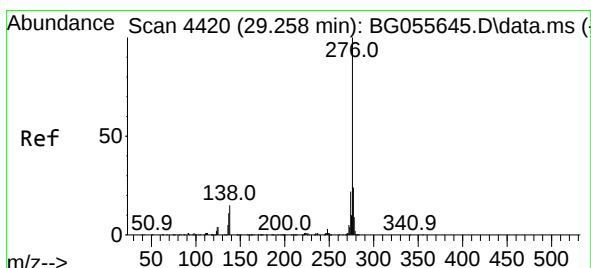
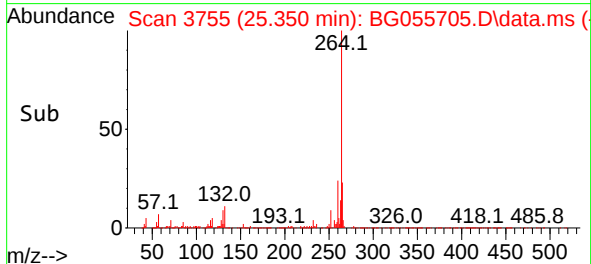
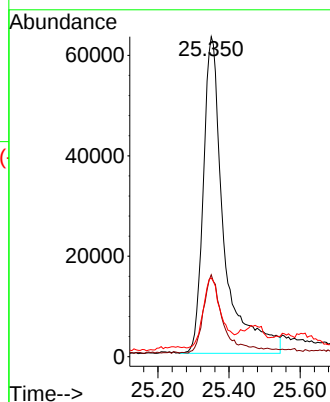
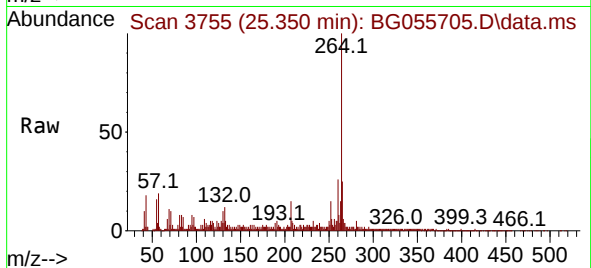
Tgt Ion:	264	Resp:	25543
Ion Ratio	Lower	Upper	
264	100		
260	25.6	19.5	29.3
265	24.6	17.1	25.7

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.956 ng

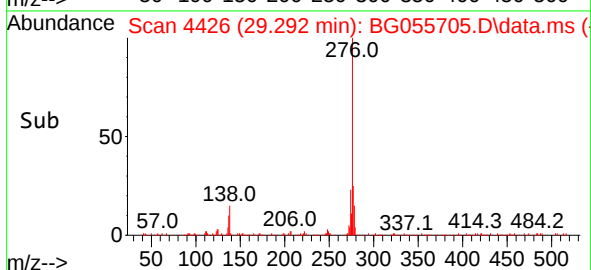
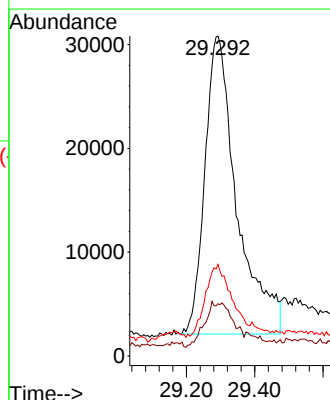
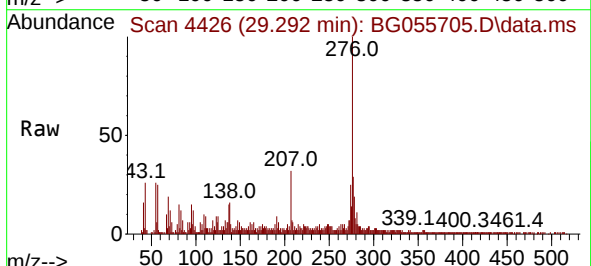
RT: 29.292 min Scan# 4426

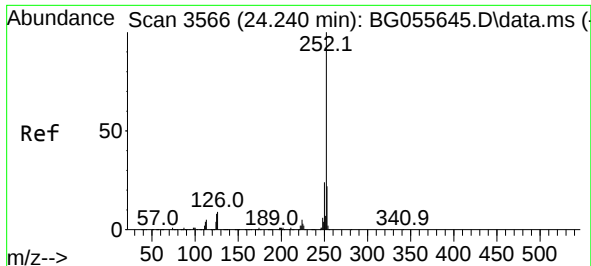
Delta R.T. 0.035 min

Lab File: BG055705.D

Acq: 19 Nov 2022 1:05

Tgt Ion:	276	Resp:	187406
Ion Ratio	Lower	Upper	
276	100		
138	5.8	10.4	15.6#
277	19.5	20.2	30.4#





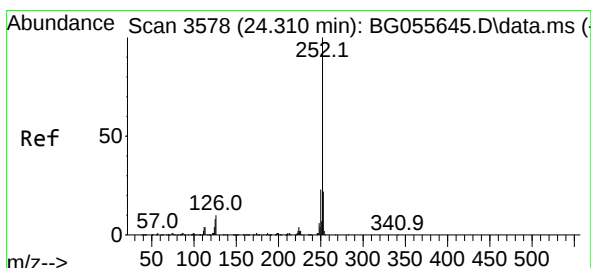
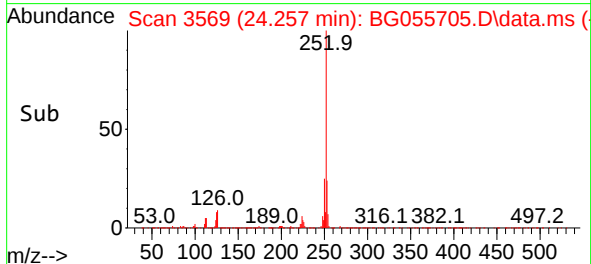
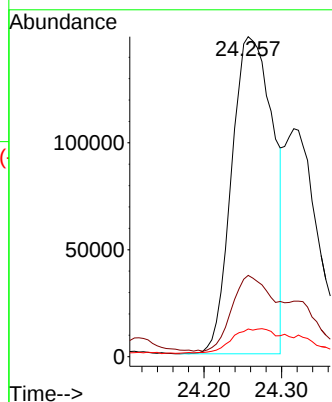
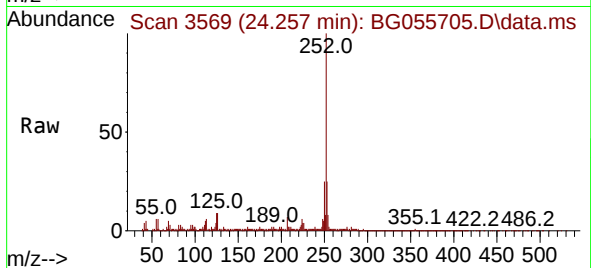
#88
Benzo(b)fluoranthene
Concen: 33.099 ng
RT: 24.257 min Scan# 3569
Delta R.T. 0.017 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

Instrument :
BNA_G
ClientSampleId :
HD-1-111722

Tgt Ion:252 Resp: 550609
Ion Ratio Lower Upper
252 100
253 25.4 18.0 27.0
125 8.6 6.2 9.2

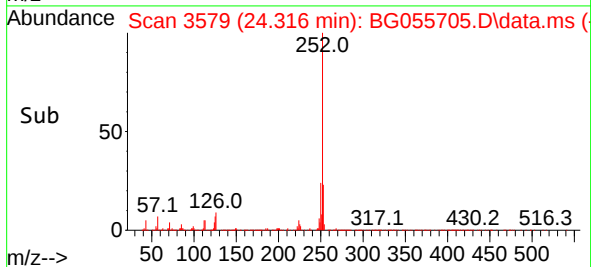
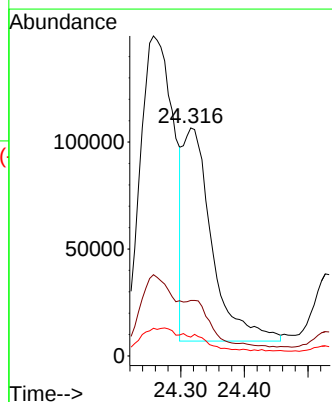
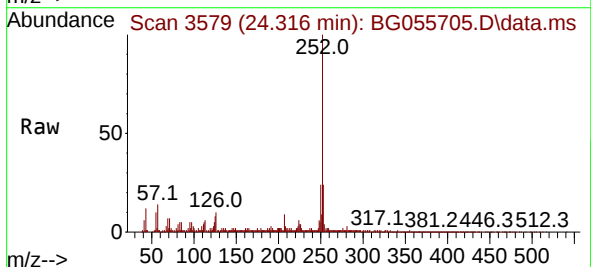
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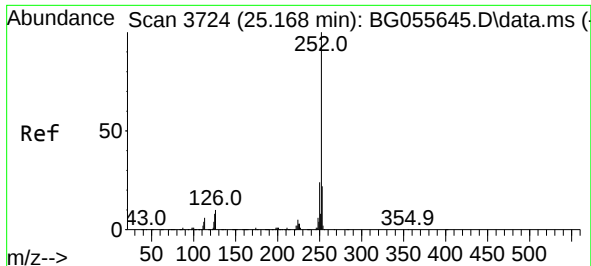
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#89
Benzo(k)fluoranthene
Concen: 19.030 ng m
RT: 24.316 min Scan# 3579
Delta R.T. 0.005 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

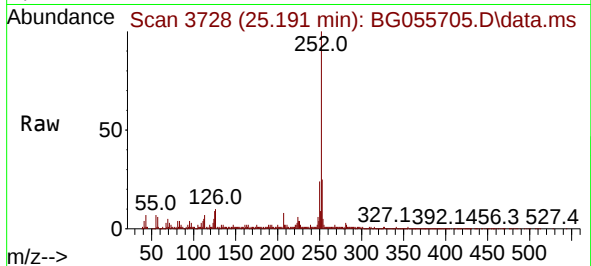
Tgt Ion:252 Resp: 315551
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 8.3 6.1 9.1





#90
Benzo(a)pyrene
Concen: 34.065 ng
RT: 25.191 min Scan# 31
Delta R.T. 0.023 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05

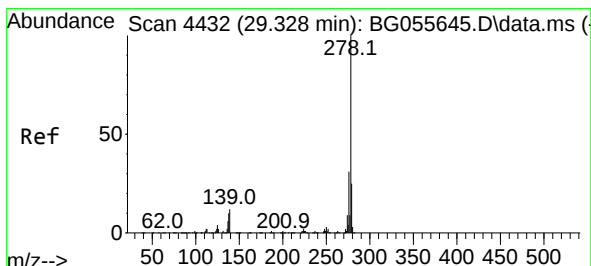
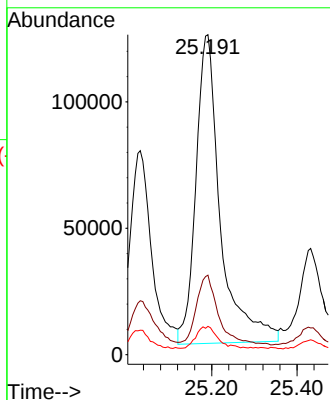
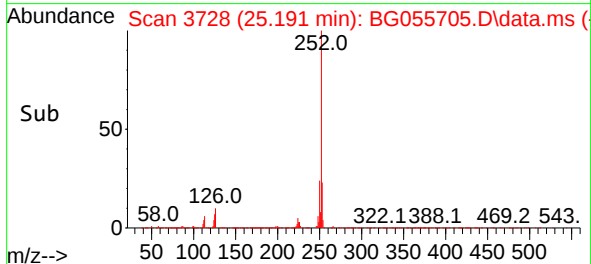
Instrument :
BNA_G
ClientSampleId :
HD-1-111722



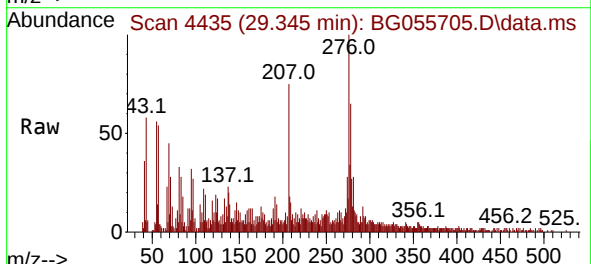
Tgt Ion:252 Resp: 48628
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.6
125 8.9 6.4 9.6

Manual Integrations
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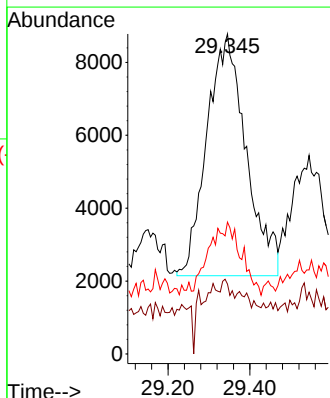
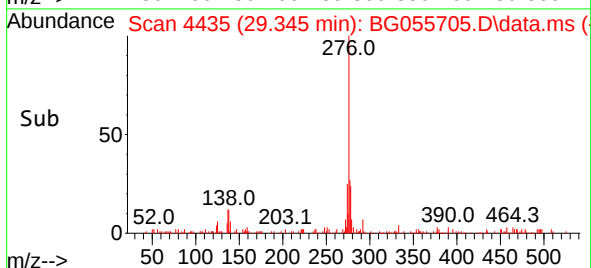
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

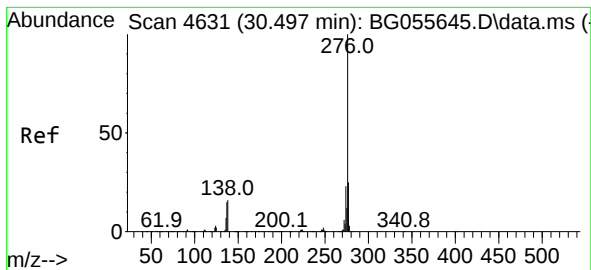


#91
Dibenzo(a,h)anthracene
Concen: 2.581 ng m
RT: 29.345 min Scan# 4435
Delta R.T. 0.017 min
Lab File: BG055705.D
Acq: 19 Nov 2022 1:05



Tgt Ion:278 Resp: 44129
Ion Ratio Lower Upper
278 100
139 21.9 9.8 14.8#
279 41.2 19.8 29.6#





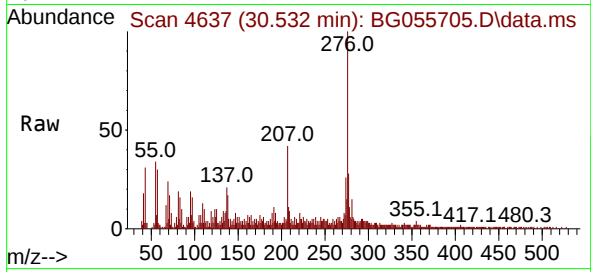
#92
 Benzo(g,h,i)perylene
 Concen: 9.455 ng m
 RT: 30.532 min Scan# 4
 Delta R.T. 0.035 min
 Lab File: BG055705.D
 Acq: 19 Nov 2022 1:05

Instrument :

BNA_G

ClientSampleId :

HD-1-111722



Tgt Ion:	276	Resp:	16294
Ion Ratio	Lower	Upper	
276	100		
277	28.2	19.8	29.6
138	17.3	13.1	19.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

