

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
 Data File : BG055756.D
 Acq On : 23 Nov 2022 2:10
 Operator : CG/JU
 Sample : N5735-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-111822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/23/2022
 Supervised By : Jagrut Upadhyay 11/23/2022

Quant Time: Nov 23 02:52:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 01:35:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.246	152	51830	20.000	ng	0.00
21) Naphthalene-d8	11.078	136	199627	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	129765	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	272744	20.000	ng	0.00
76) Chrysene-d12	21.918	240	252758	20.000	ng	0.01
86) Perylene-d12	25.338	264	200304	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.778	112	51074	17.812	ng	0.00
7) Phenol-d6	7.394	99	72504	18.995	ng	0.00
23) Nitrobenzene-d5	9.415	82	46634	12.347	ng	0.00
42) 2,4,6-Tribromophenol	16.354	330	16177	8.853	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	117718	13.590	ng	0.00
79) Terphenyl-d14	20.214	244	169948	13.448	ng	0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.717	142	26697	3.304	ng	98
38) 1-Methylnaphthalene	12.935	142	26619	3.394	ng	100
58) Fluorene	15.914	166	28880	2.963	ng	93
71) Phenanthrene	17.659	178	265862	18.063	ng	100
72) Anthracene	17.747	178	48493	3.391	ng	99
75) Fluoranthene	19.662	202	242418	13.538	ng	99
78) Pyrene	20.032	202	406757	23.775	ng	98
81) Benzo(a)anthracene	21.895	228	180909	10.392	ng	95
83) Chrysene	21.971	228	189233	11.418	ng	98
88) Benzo(b)fluoranthene	24.245	252	106886	8.194	ng	# 90
89) Benzo(k)fluoranthene	24.304	252	51652m	3.972	ng	
90) Benzo(a)pyrene	25.173	252	92908	8.300	ng	# 90

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

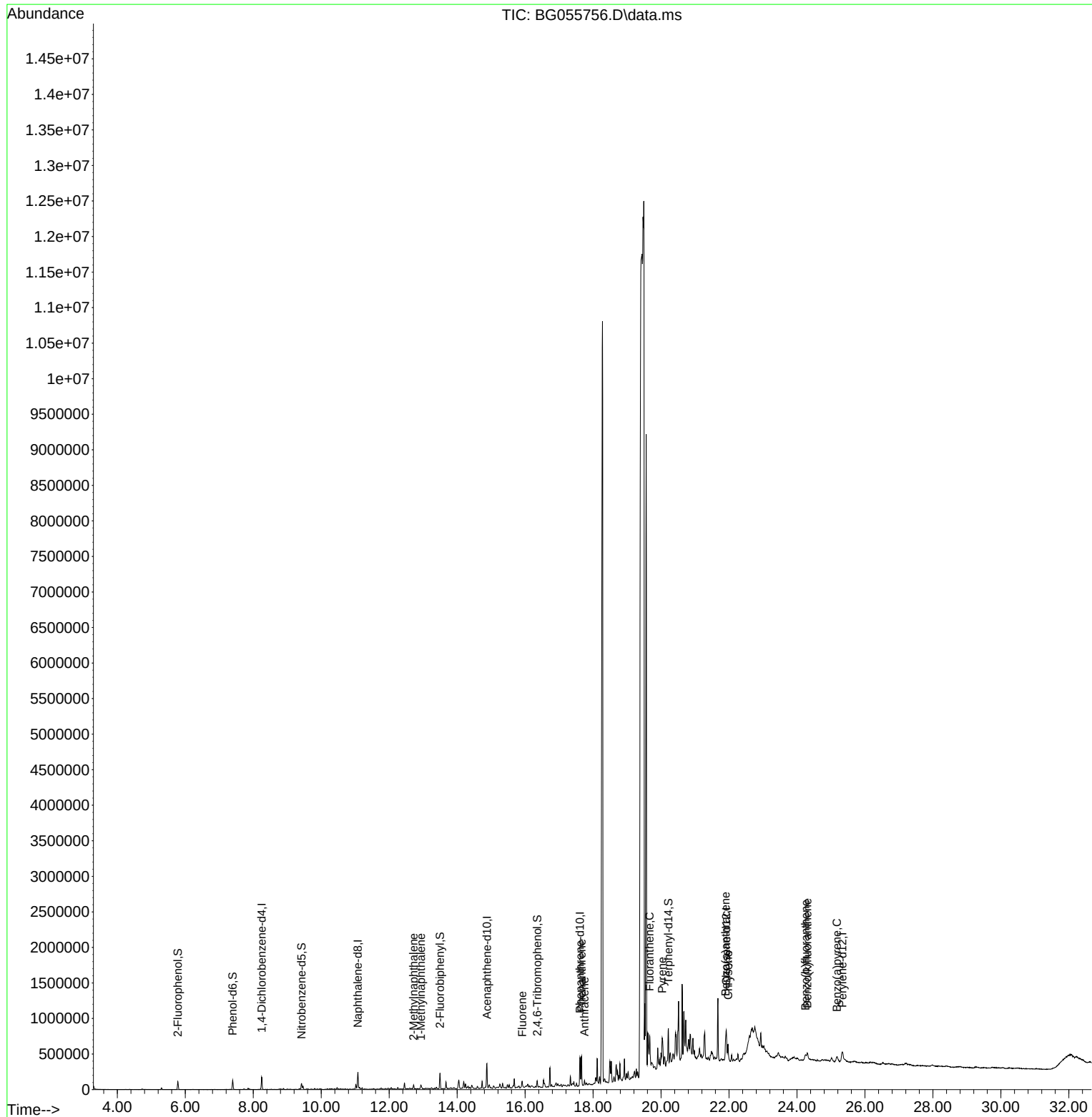
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055756.D
Acq On : 23 Nov 2022 2:10
Operator : CG/JU
Sample : N5735-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

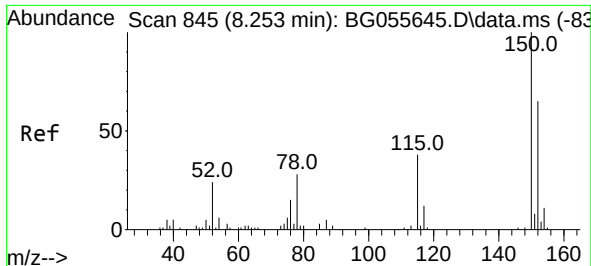
Instrument :
BNA_G
ClientSampleId :
TR-04-111822

Quant Time: Nov 23 02:52:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 23 01:35:20 2022
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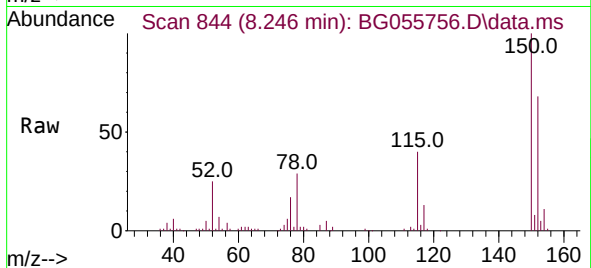
Reviewed By : Christian Giraldo 11/23/2022
Supervised By : Jagrut Upadhyay 11/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.246 min Scan# 845
Delta R.T. 0.000 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

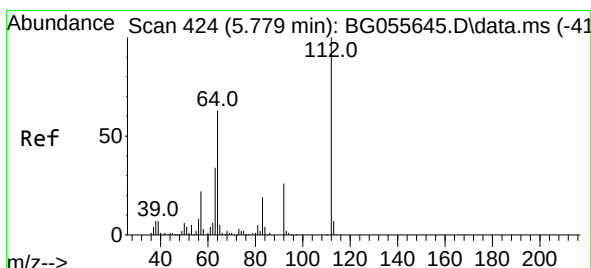
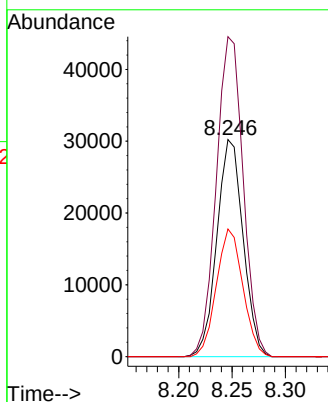
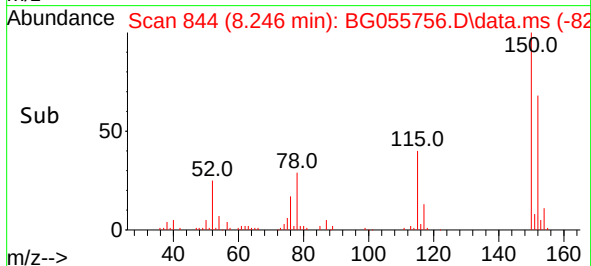
Instrument :
BNA_G
ClientSampleId :
TR-04-111822



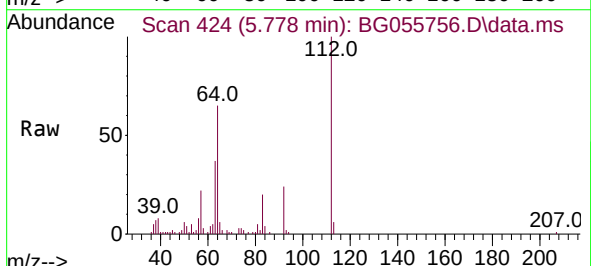
Tgt Ion:152 Resp: 51830
Ion Ratio Lower Upper
152 100
150 147.5 123.0 184.6
115 58.8 47.0 70.4

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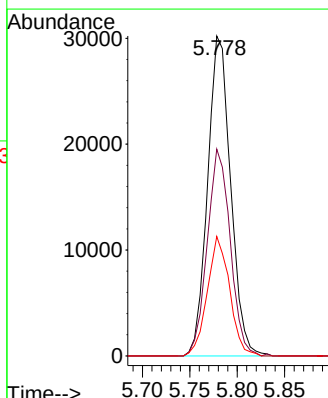
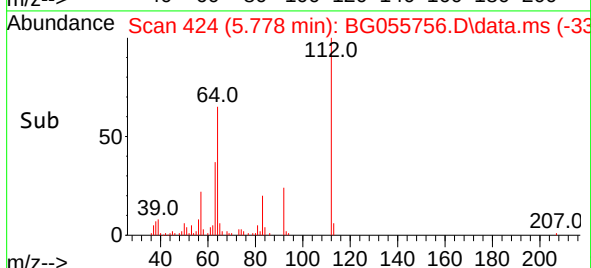
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

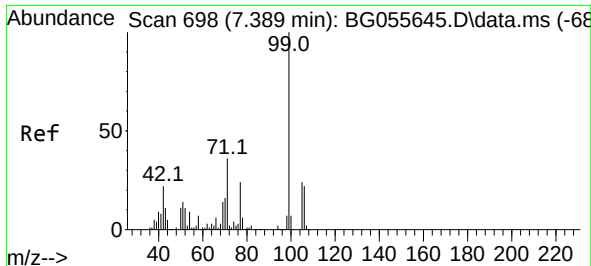


#5
2-Fluorophenol
Concen: 17.812 ng
RT: 5.778 min Scan# 424
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10



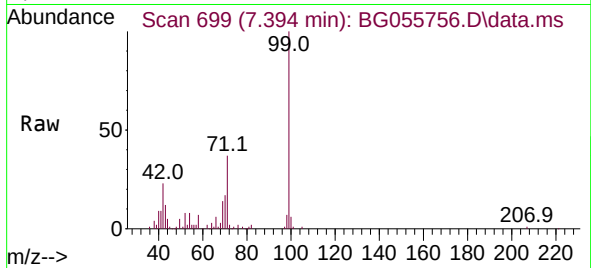
Tgt Ion:112 Resp: 51074
Ion Ratio Lower Upper
112 100
64 64.6 50.6 76.0
63 37.3 27.5 41.3





#7
Phenol-d6
Concen: 18.995 ng
RT: 7.394 min Scan# 698
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

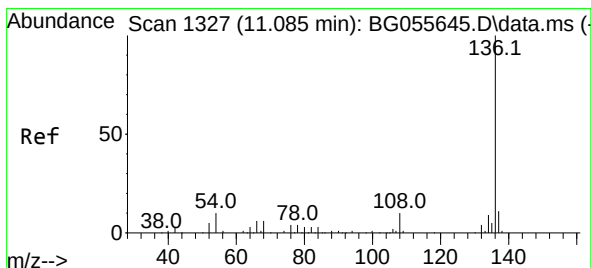
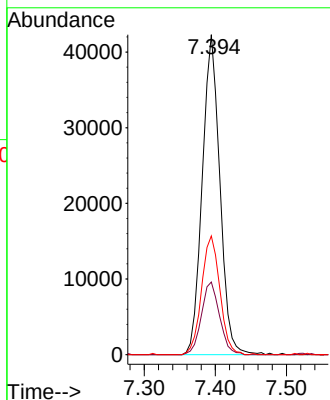
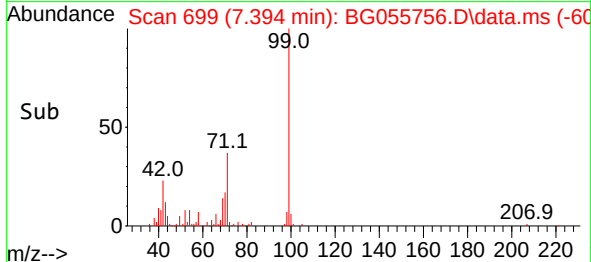
Instrument :
BNA_G
ClientSampleId :
TR-04-111822



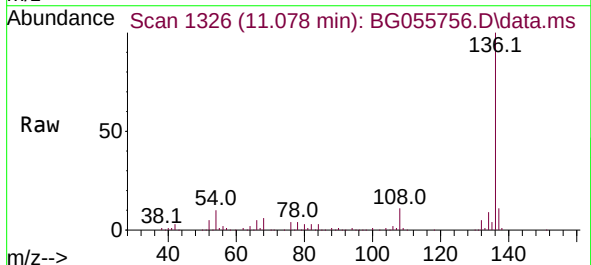
Tgt Ion: 99 Resp: 72504
Ion Ratio Lower Upper
99 100
42 22.7 18.0 27.0
71 37.1 29.0 43.6

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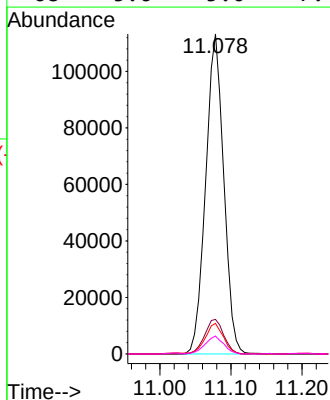
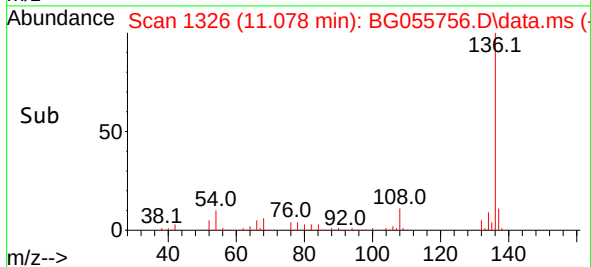
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

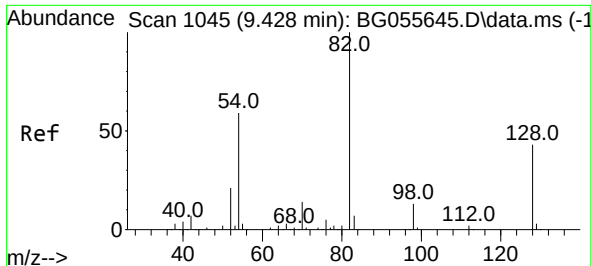


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.078 min Scan# 1326
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10



Tgt Ion:136 Resp: 199627
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.5 7.8 11.6
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 12.347 ng

RT: 9.415 min Scan# 1043

Delta R.T. 0.000 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

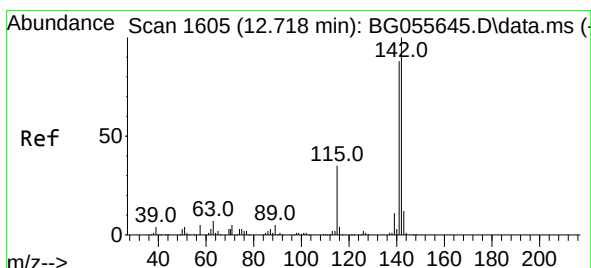
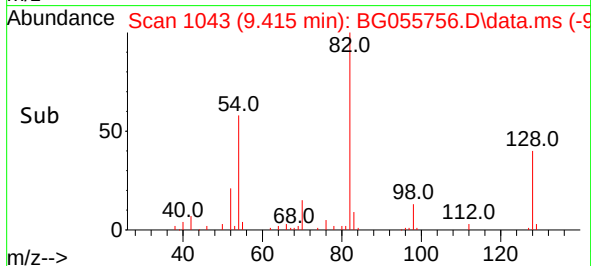
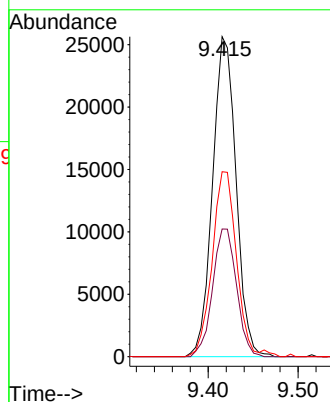
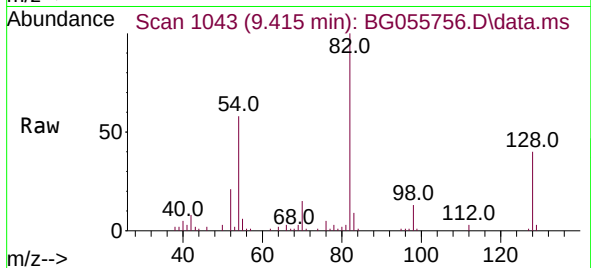
TR-04-111822

Tgt Ion:	82	Resp:	46634
Ion Ratio	Lower	Upper	
82	100		
128	39.9	34.1	51.1
54	57.8	47.3	70.9

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#37

2-Methylnaphthalene

Concen: 3.304 ng

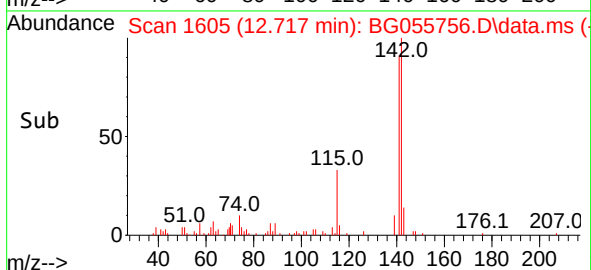
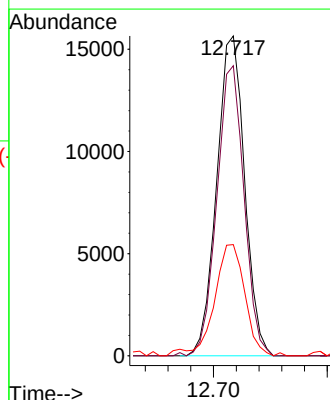
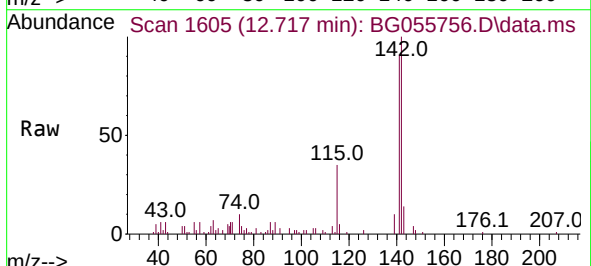
RT: 12.717 min Scan# 1605

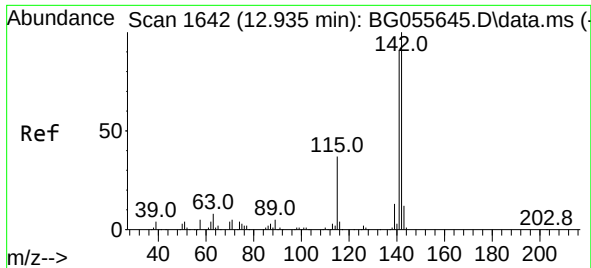
Delta R.T. 0.006 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

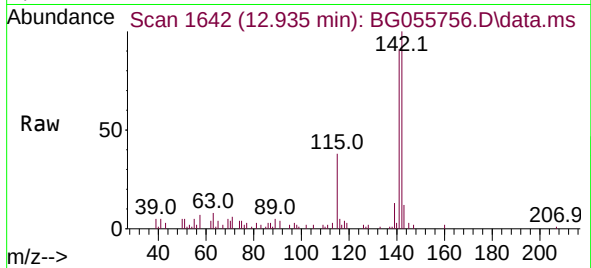
Tgt Ion:	142	Resp:	26697
Ion Ratio	Lower	Upper	
142	100		
141	90.7	70.3	105.5
115	34.8	27.9	41.9





#38
1-Methylnaphthalene
Concen: 3.394 ng
RT: 12.935 min Scan# 1642
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

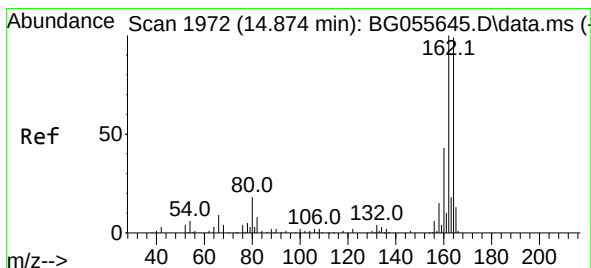
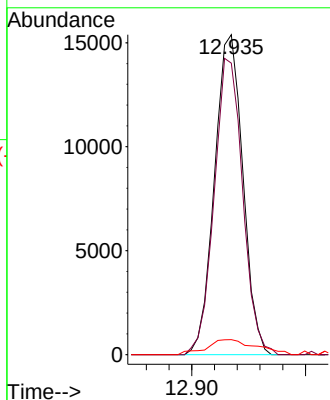
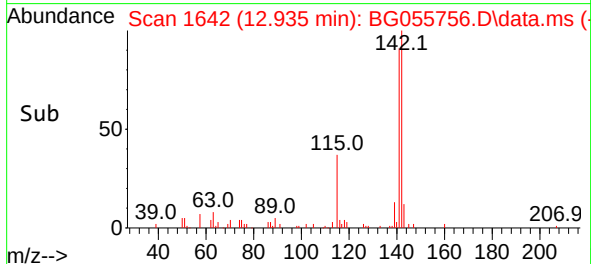
Instrument :
BNA_G
ClientSampleId :
TR-04-111822



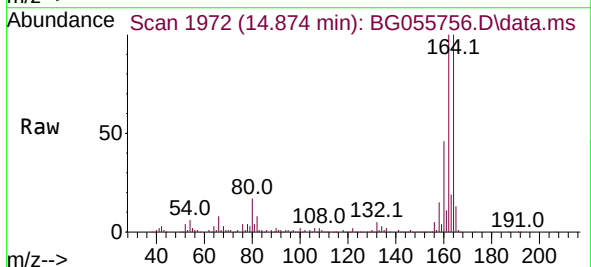
Tgt Ion:142 Resp: 26619
Ion Ratio Lower Upper
142 100
141 91.1 73.0 109.4
116 4.7 3.1 4.7

Manual Integrations
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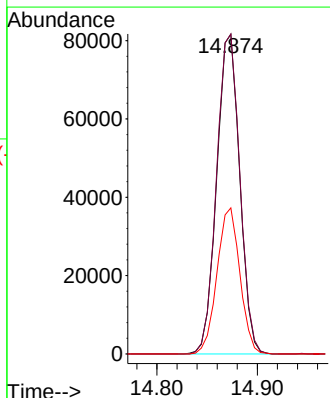
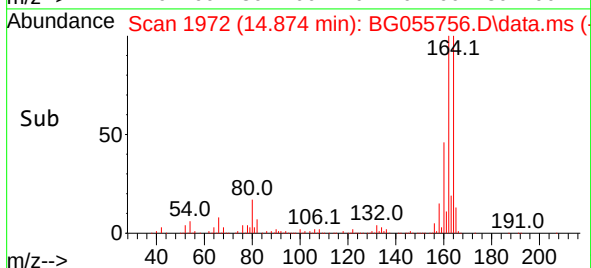
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

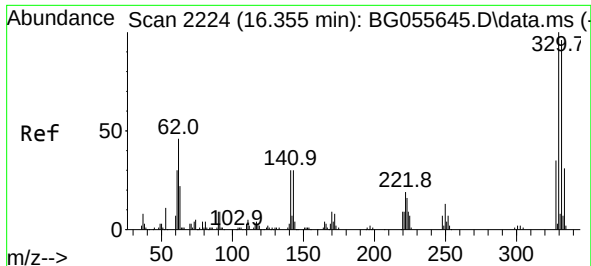


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1972
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10



Tgt Ion:164 Resp: 129765
Ion Ratio Lower Upper
164 100
162 100.1 81.1 121.7
160 45.7 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 8.853 ng
RT: 16.354 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

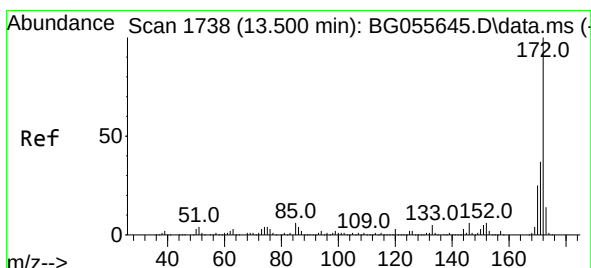
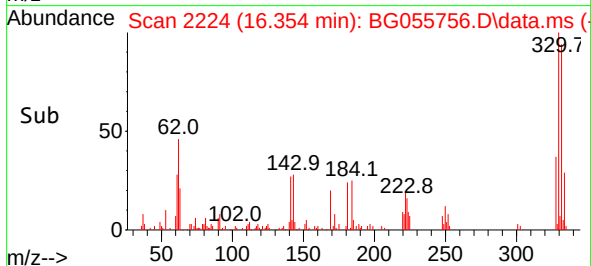
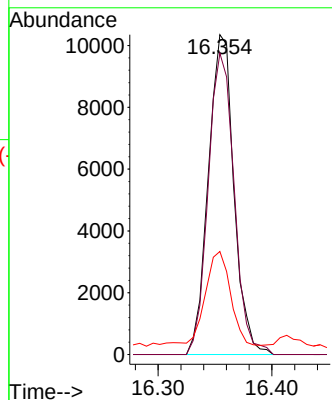
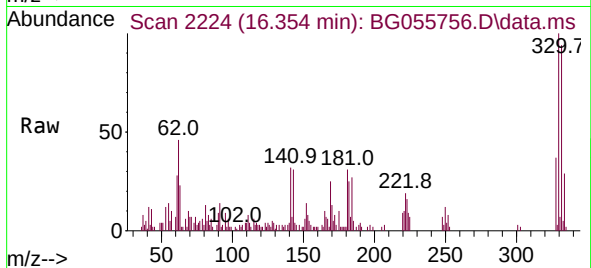
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Tgt Ion:330 Resp: 1617
Ion Ratio Lower Upper
330 100
332 95.6 77.8 116.8
141 32.8 23.9 35.9

Manual Integrations

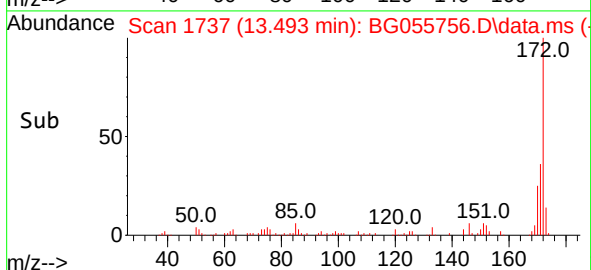
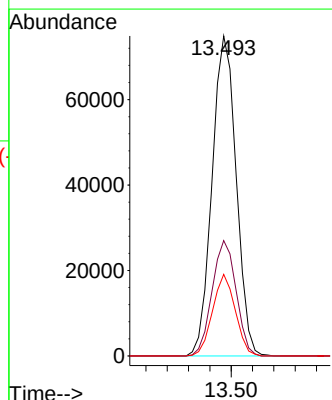
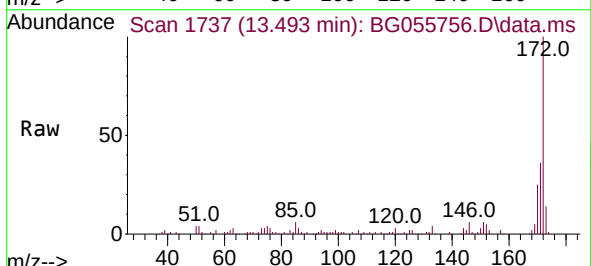
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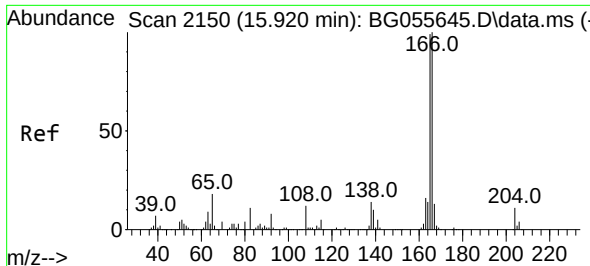
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#45
2-Fluorobiphenyl
Concen: 13.590 ng
RT: 13.493 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

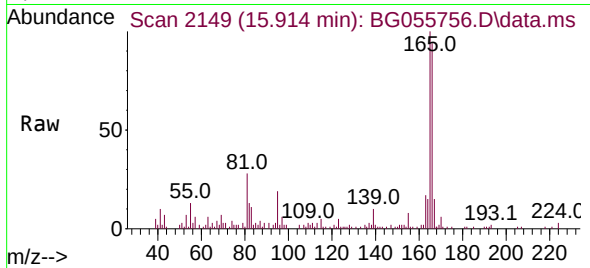
Tgt Ion:172 Resp: 117718
Ion Ratio Lower Upper
172 100
171 36.0 29.8 44.6
170 25.5 20.2 30.4





#58
Fluorene
Concen: 2.963 ng
RT: 15.914 min Scan# 2150
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

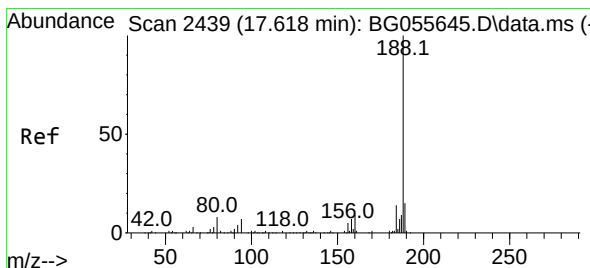
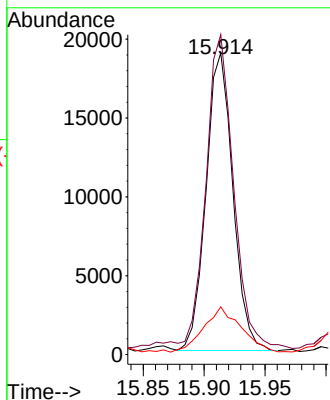
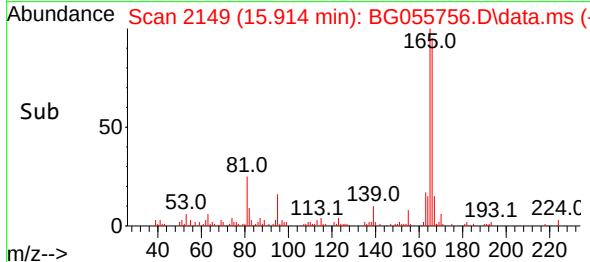
Instrument :
BNA_G
ClientSampleId :
TR-04-111822



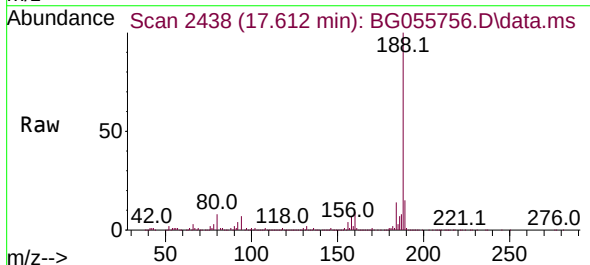
Tgt Ion:166 Resp: 28880
Ion Ratio Lower Upper
166 100
165 106.1 79.3 118.9
167 15.8 10.6 15.8

Manual Integrations
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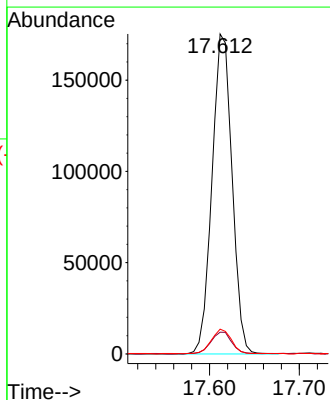
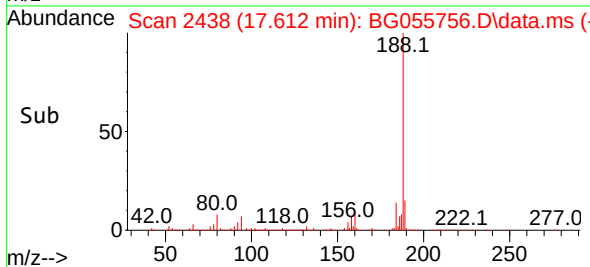
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

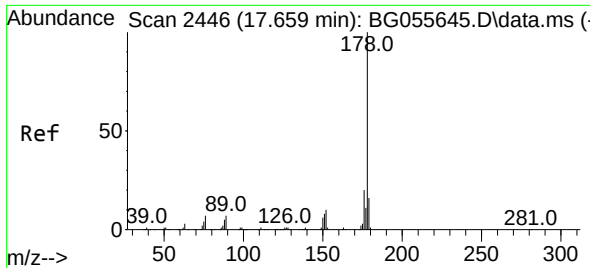


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.612 min Scan# 2438
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10



Tgt Ion:188 Resp: 272744
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.2
80 7.7 6.6 10.0





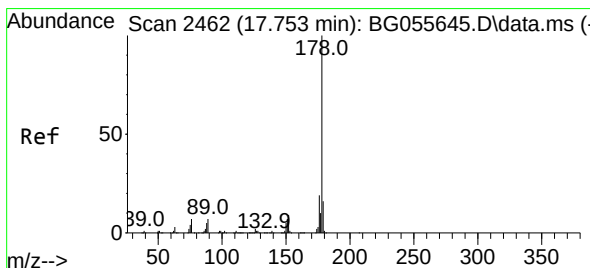
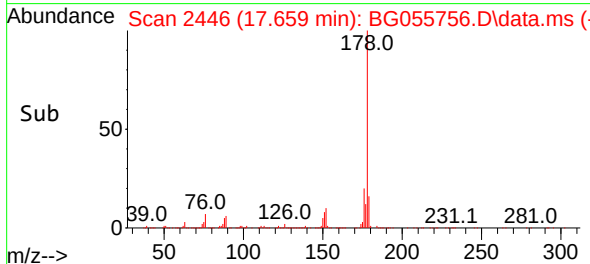
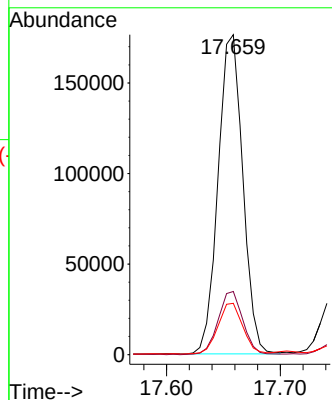
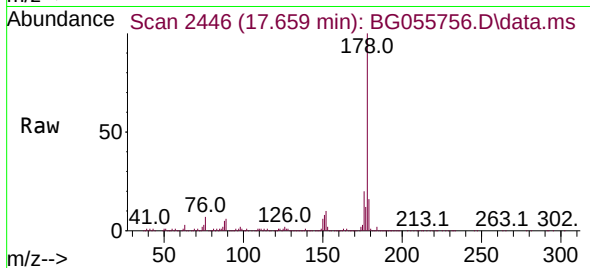
#71
Phenanthrene
Concen: 18.063 ng
RT: 17.659 min Scan# 2446
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Instrument :
BNA_G
ClientSampleId :
TR-04-111822

Tgt Ion:178 Resp: 265862
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.0 12.7 19.1

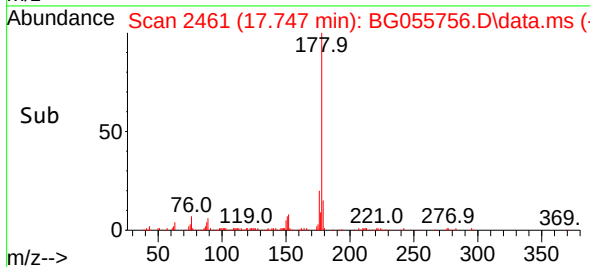
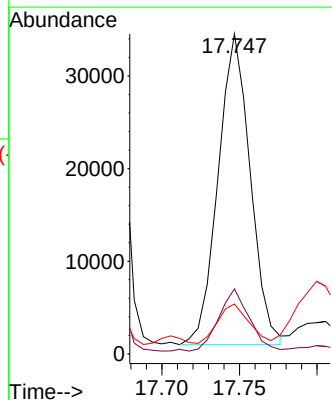
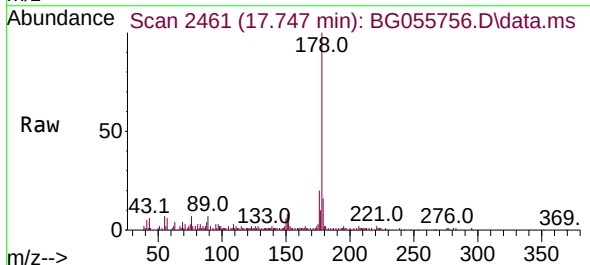
Manual Integrations
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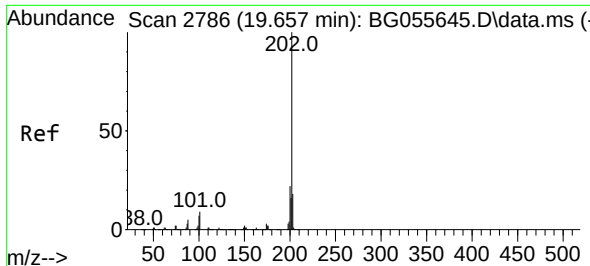
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#72
Anthracene
Concen: 3.391 ng
RT: 17.747 min Scan# 2461
Delta R.T. 0.006 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

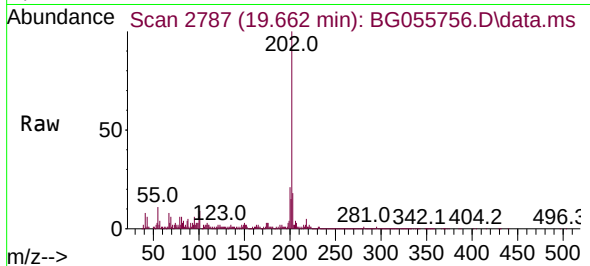
Tgt Ion:178 Resp: 48493
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 15.6 12.5 18.7





#75
Fluoranthene
Concen: 13.538 ng
RT: 19.662 min Scan# 21
Delta R.T. 0.018 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

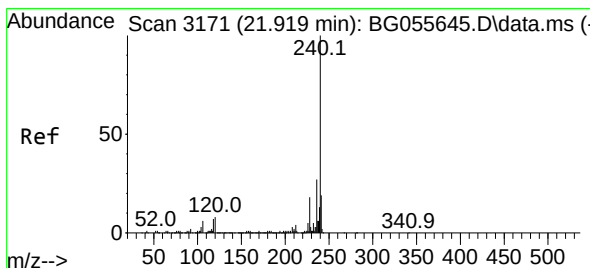
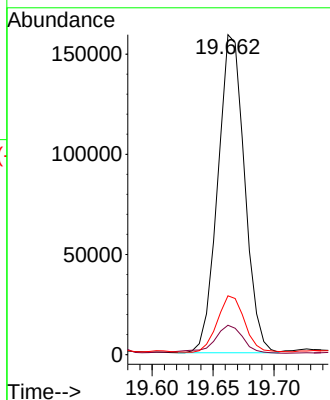
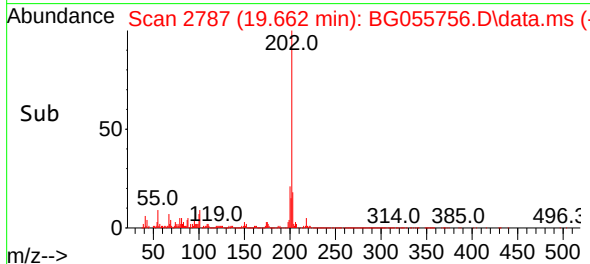
Instrument :
BNA_G
ClientSampleId :
TR-04-111822



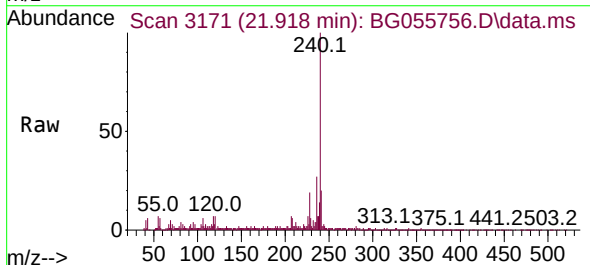
Tgt Ion:202 Resp: 242418
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.8
203 18.4 0.0 38.1

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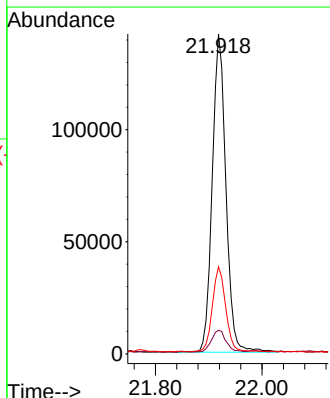
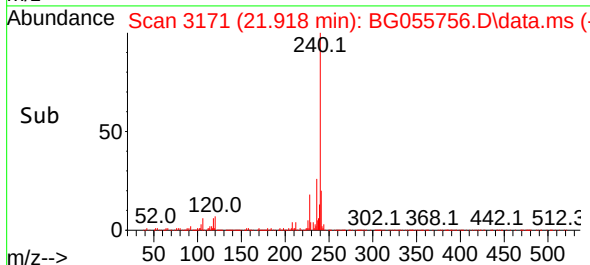
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

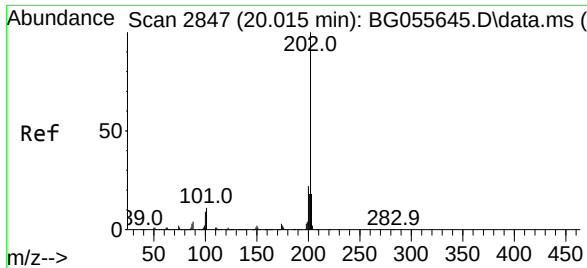


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.918 min Scan# 3171
Delta R.T. 0.012 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10



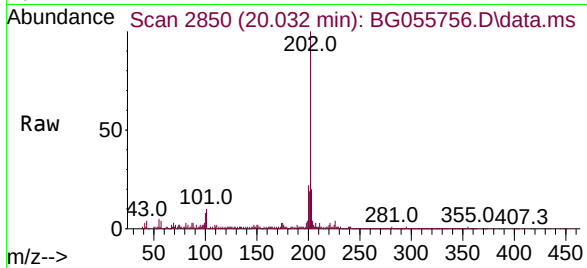
Tgt Ion:240 Resp: 252758
Ion Ratio Lower Upper
240 100
120 7.4 6.3 9.5
236 27.2 21.9 32.9





#78
 Pyrene
 Concen: 23.775 ng
 RT: 20.032 min Scan# 2847
 Delta R.T. 0.024 min
 Lab File: BG055756.D
 Acq: 23 Nov 2022 2:10

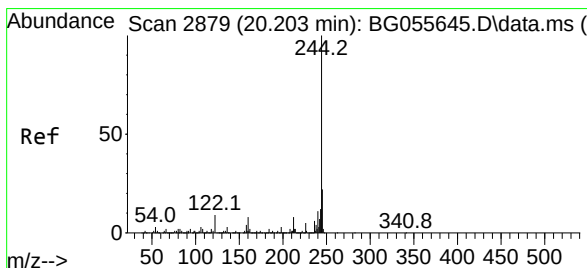
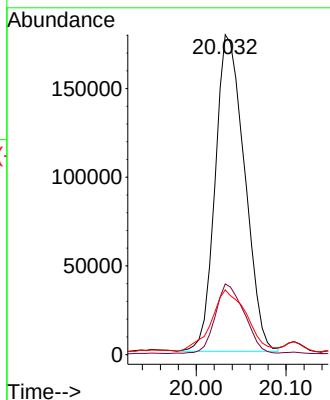
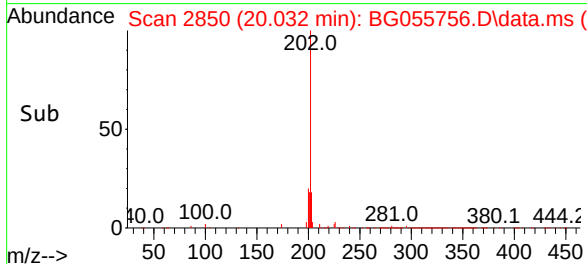
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-111822



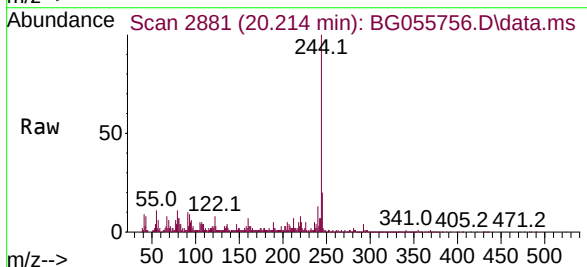
Tgt Ion:202 Resp: 406752
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.8 26.6
 203 20.2 14.4 21.6

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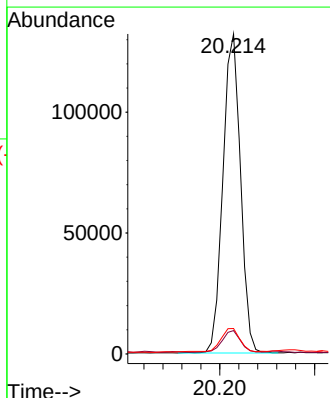
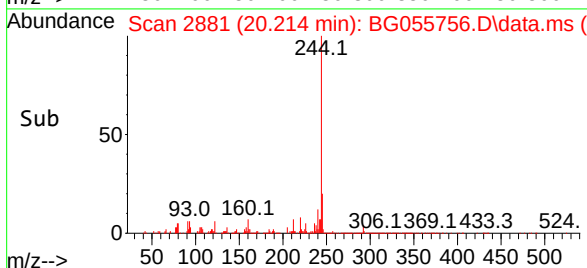
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

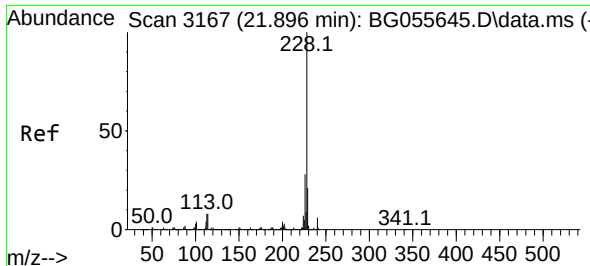


#79
 Terphenyl-d14
 Concen: 13.448 ng
 RT: 20.214 min Scan# 2881
 Delta R.T. 0.024 min
 Lab File: BG055756.D
 Acq: 23 Nov 2022 2:10



Tgt Ion:244 Resp: 169948
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 7.9 6.9 10.3





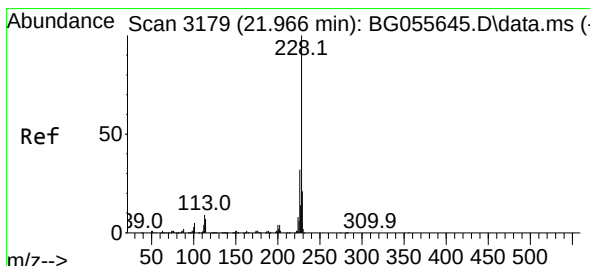
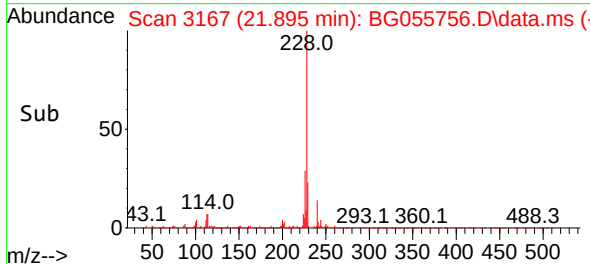
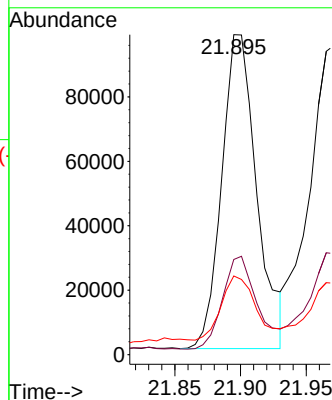
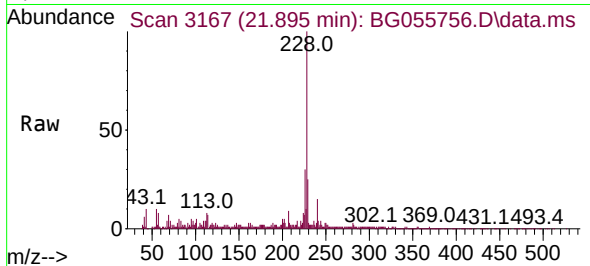
#81
Benzo(a)anthracene
Concen: 10.392 ng
RT: 21.895 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Instrument :
BNA_G
ClientSampleId :
TR-04-111822

Tgt Ion:228 Resp: 180909
Ion Ratio Lower Upper
228 100
226 29.7 22.7 34.1
229 24.6 16.5 24.7

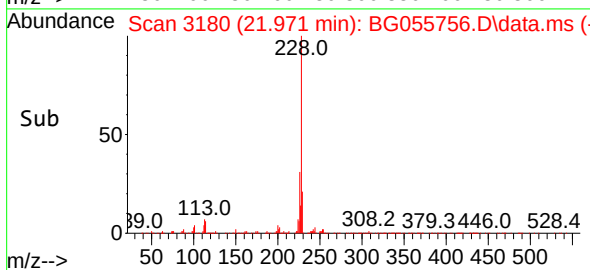
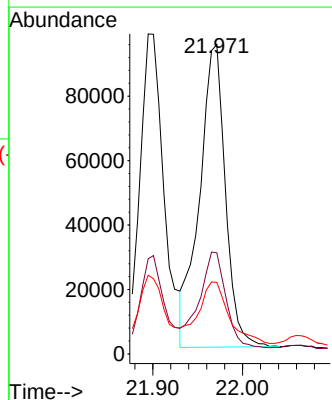
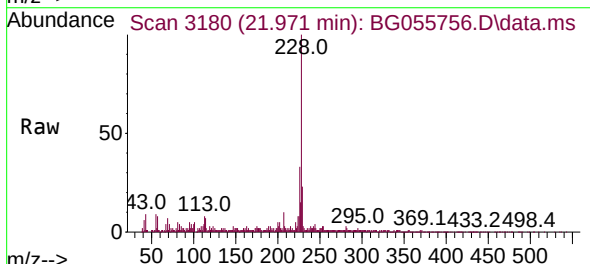
Manual Integrations
APPROVED

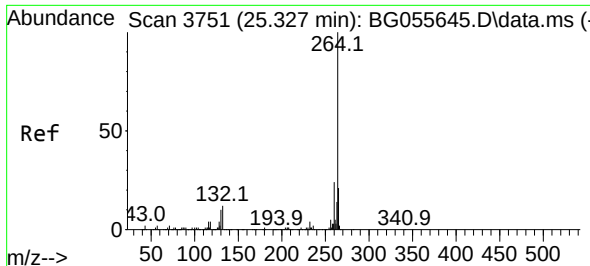
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#83
Chrysene
Concen: 11.418 ng
RT: 21.971 min Scan# 3180
Delta R.T. 0.018 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Tgt Ion:228 Resp: 189233
Ion Ratio Lower Upper
228 100
226 32.7 25.4 38.2
229 23.1 17.1 25.7





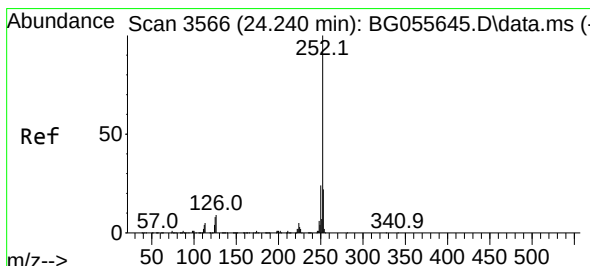
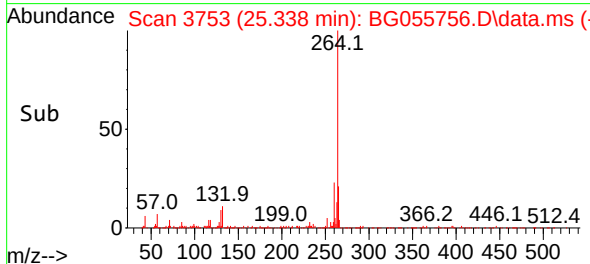
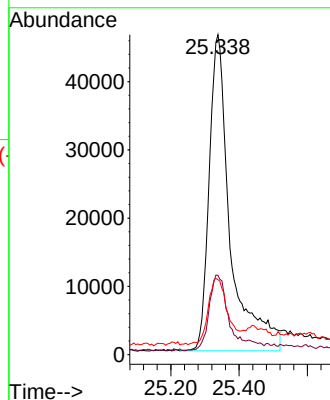
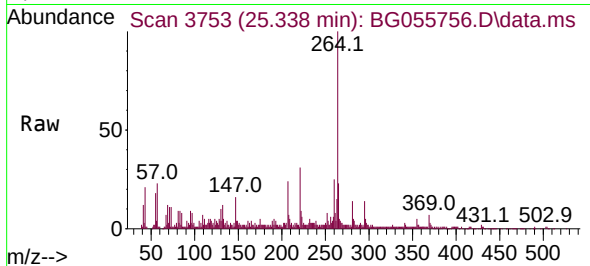
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.338 min Scan# 31
Delta R.T. 0.036 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Instrument :
BNA_G
ClientSampleId :
TR-04-111822

Tgt Ion:264 Resp: 200304
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 23.4 17.1 25.7

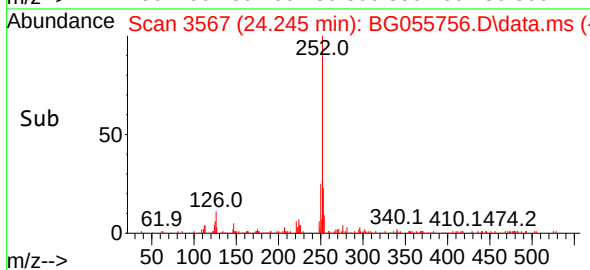
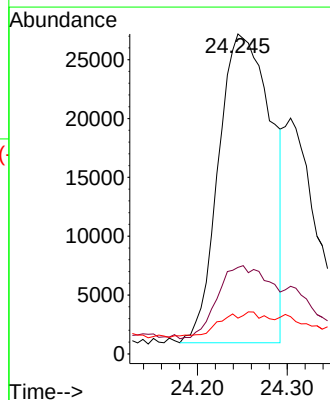
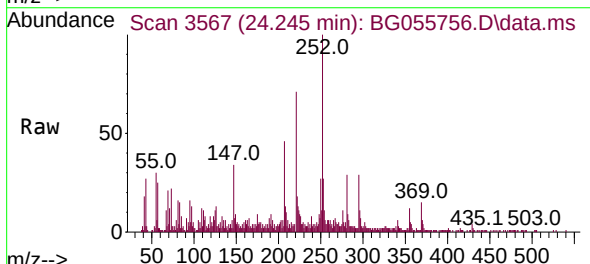
Manual Integrations
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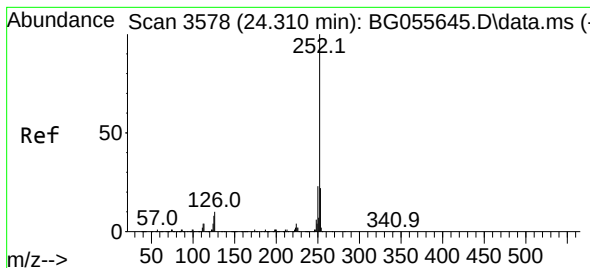
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#88
Benzo(b)fluoranthene
Concen: 8.194 ng
RT: 24.245 min Scan# 3567
Delta R.T. 0.024 min
Lab File: BG055756.D
Acq: 23 Nov 2022 2:10

Tgt Ion:252 Resp: 106886
Ion Ratio Lower Upper
252 100
253 27.0 18.0 27.0#
125 11.2 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 3.972 ng m

RT: 24.304 min Scan# 3578

Delta R.T. 0.012 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

TR-04-111822

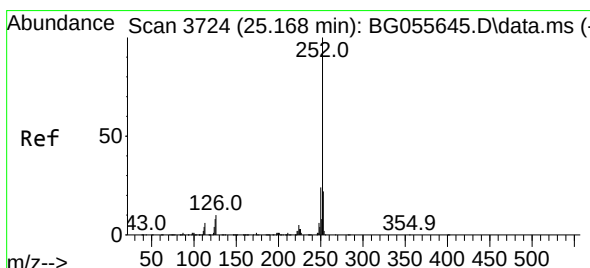
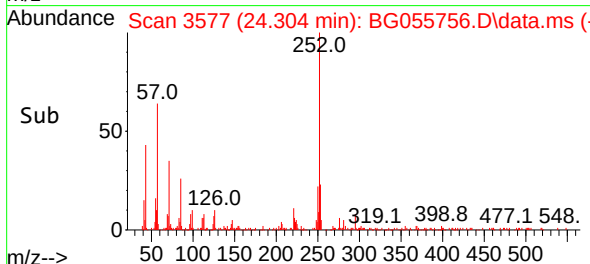
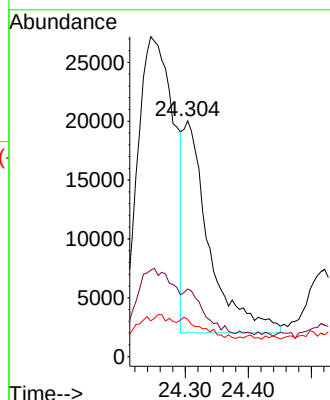
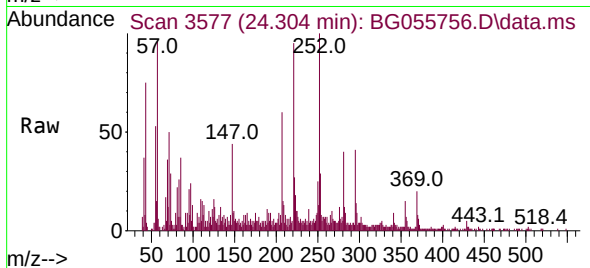
Tgt Ion:	252	Resp:	51652
Ion Ratio	Lower	Upper	
252	100		
253	28.6	17.8	26.6
125	15.8	6.1	9.1

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#90

Benzo(a)pyrene

Concen: 8.300 ng

RT: 25.173 min Scan# 3725

Delta R.T. 0.024 min

Lab File: BG055756.D

Acq: 23 Nov 2022 2:10

Tgt Ion:	252	Resp:	92908
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.8	26.6
125	12.7	6.4	9.6

