

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054433.D
 Acq On : 28 Jul 2022 15:44
 Operator : CG/JU
 Sample : N3893-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-12

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/29/2022
 Supervised By : Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 04:08:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	19542	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	76414	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	57381	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	139827	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	152938	20.000	ng	# 0.00
86) Perylene-d12	24.844	264	163652	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	105561	112.782	ng	0.00
7) Phenol-d6	7.171	99	144069	112.333	ng	0.00
23) Nitrobenzene-d5	9.151	82	98944	70.513	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	130712	108.494	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	305557	75.120	ng	0.00
79) Terphenyl-d14	19.979	244	587063	76.150	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.412	178	19709	2.830	ng	100
75) Fluoranthene	19.421	202	52947	5.578	ng	94
78) Pyrene	19.785	202	60760	6.924	ng	98
81) Benzo(a)anthracene	21.613	228	36160	3.725	ng	96
83) Chrysene	21.677	228	44359	4.836	ng	# 95
88) Benzo(b)fluoranthene	23.828	252	70273m	7.261	ng	
90) Benzo(a)pyrene	24.686	252	44423	5.375	ng	99
92) Benzo(g,h,i)perylene	29.686	276	37218	3.684	ng	94

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

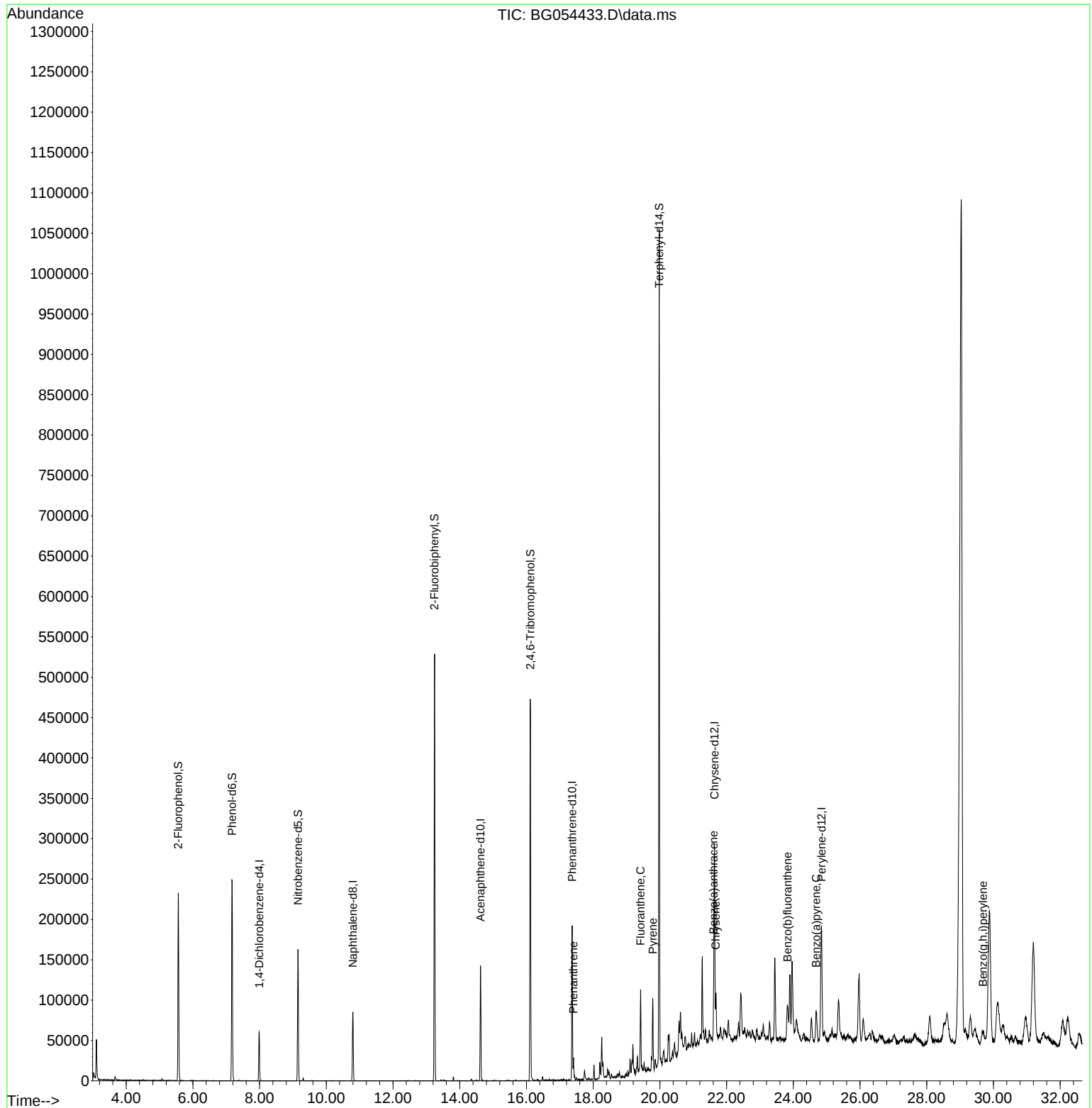
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
Data File : BG054433.D
Acq On : 28 Jul 2022 15:44
Operator : CG/JU
Sample : N3893-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

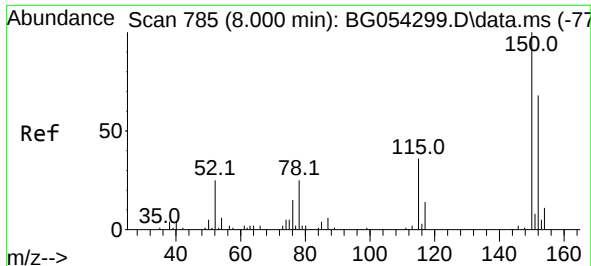
Instrument :
BNA_G
ClientSampleId :
RVE-12

Quant Time: Jul 29 04:08:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
Response via : Initial Calibration

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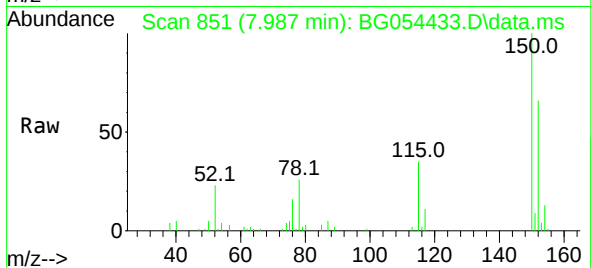
Reviewed By : Christian Giraldo 07/29/2022
Supervised By : Jagrut Upadhyay 07/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

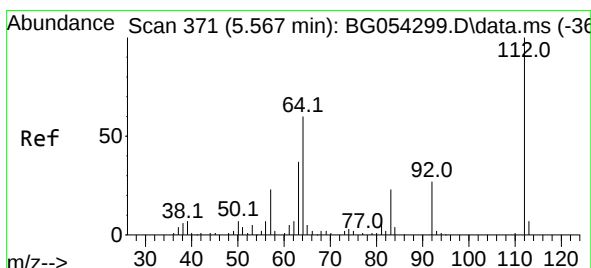
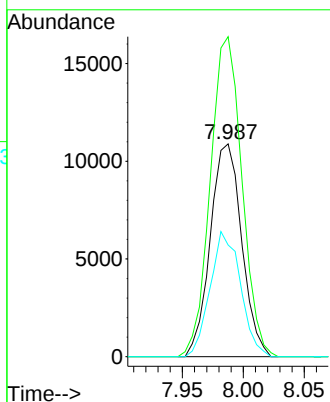
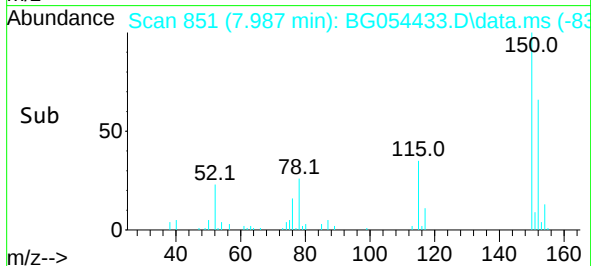
Instrument :
BNA_G
ClientSampleId :
RVE-12



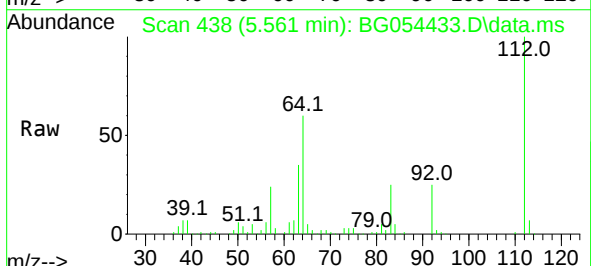
Tgt Ion:152 Resp: 1954
Ion Ratio Lower Upper
152 100
150 150.4 131.6 197.4
115 52.5 50.9 76.3

Manual Integrations
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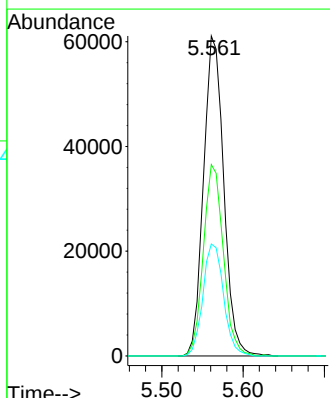
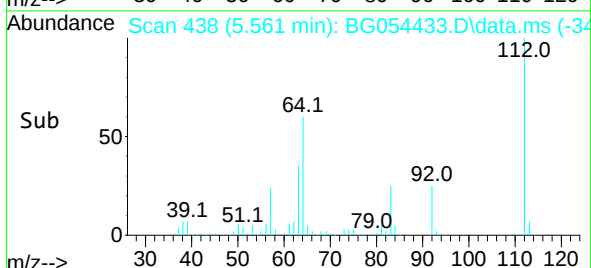
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

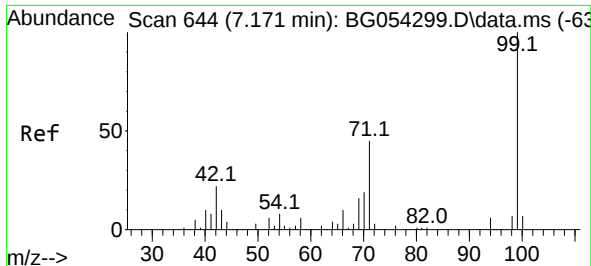


#5
2-Fluorophenol
Concen: 112.782 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44



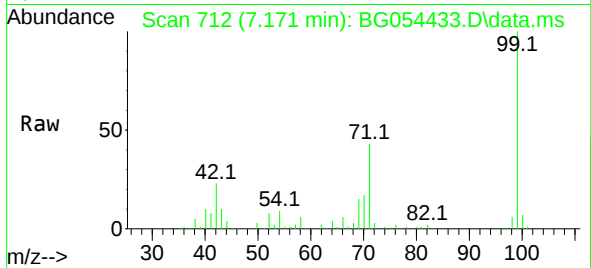
Tgt Ion:112 Resp: 105561
Ion Ratio Lower Upper
112 100
64 59.8 55.1 82.7
63 35.0 30.4 45.6





#7
Phenol-d6
Concen: 112.333 ng
RT: 7.171 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

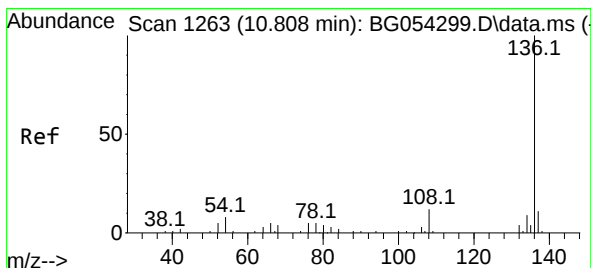
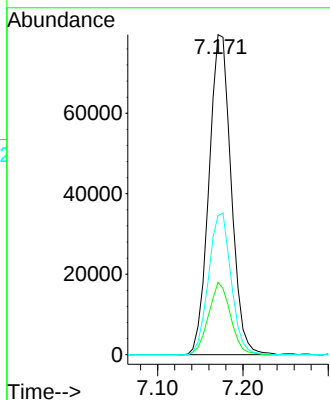
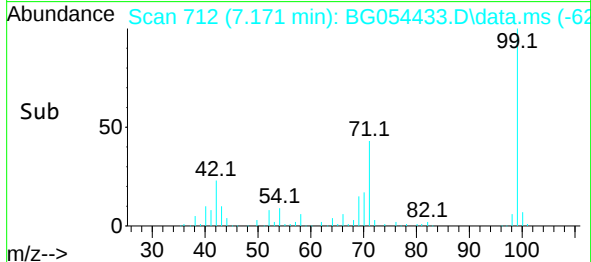
Instrument :
BNA_G
ClientSampleId :
RVE-12



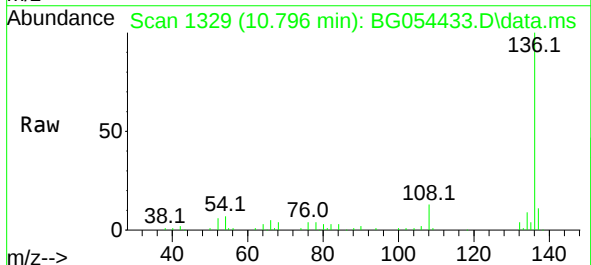
Tgt Ion: 99 Resp: 144069
Ion Ratio Lower Upper
99 100
42 22.6 17.0 25.6
71 43.5 33.8 50.8

Manual Integrations
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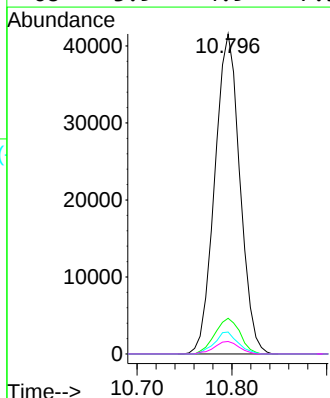
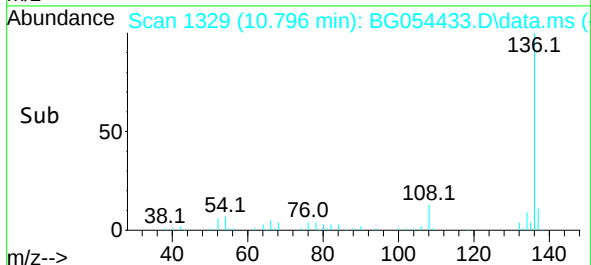
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

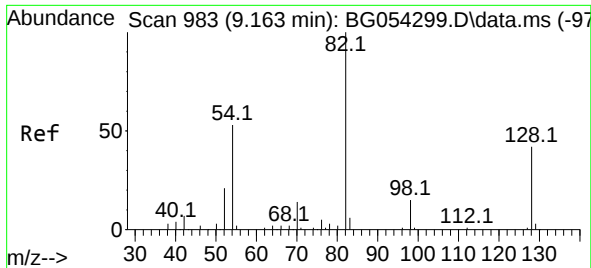


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44



Tgt Ion:136 Resp: 76414
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 6.9 7.4 11.2#
68 3.9 4.9 7.3#





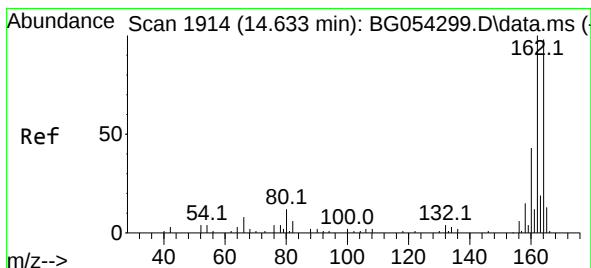
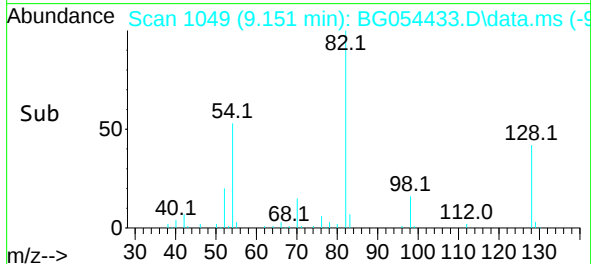
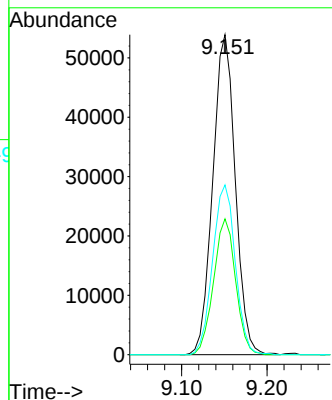
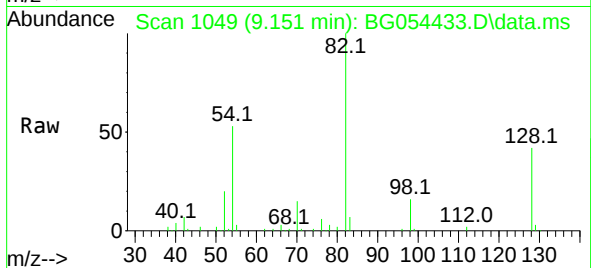
#23
Nitrobenzene-d5
Concen: 70.513 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

Instrument :
BNA_G
ClientSampleId :
RVE-12

Tgt Ion: 82 Resp: 98944
Ion Ratio Lower Upper
82 100
128 42.4 27.9 41.9
54 53.1 41.2 61.8

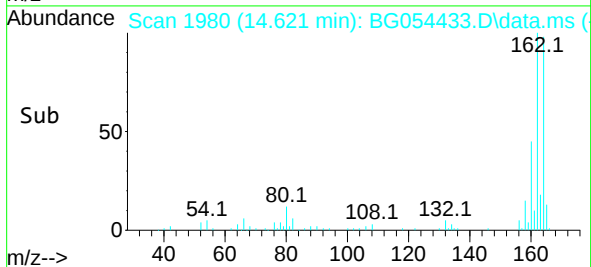
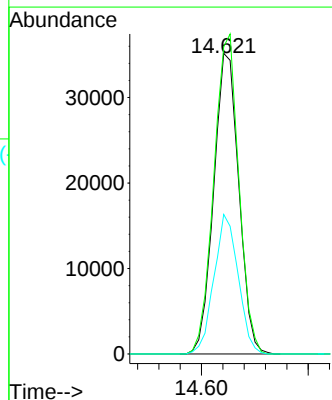
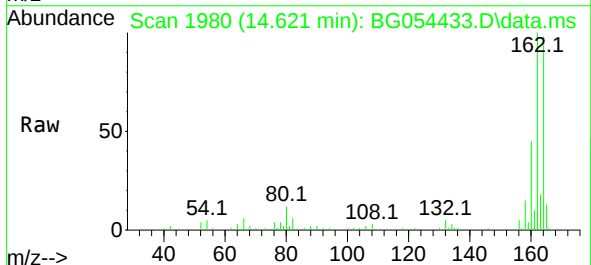
Manual Integrations
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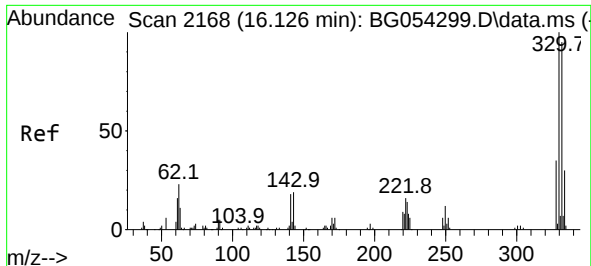
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

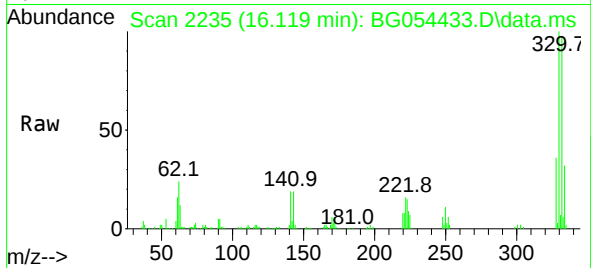
Tgt Ion:164 Resp: 57381
Ion Ratio Lower Upper
164 100
162 102.2 82.3 123.5
160 46.4 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 108.494 ng
RT: 16.119 min Scan# 2168
Delta R.T. 0.005 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

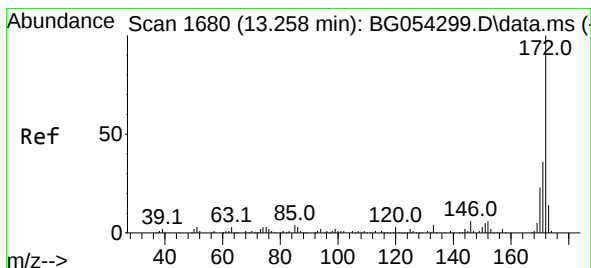
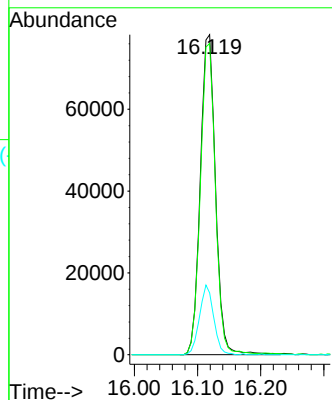
Instrument :
BNA_G
ClientSampleId :
RVE-12



Tgt Ion:330 Resp: 130712
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 20.2 27.1 40.7

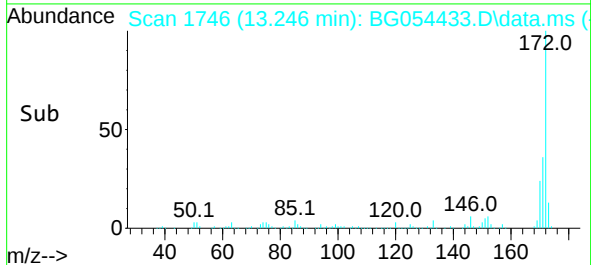
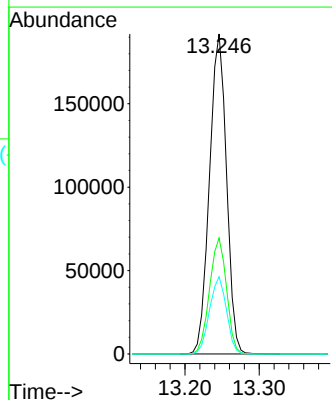
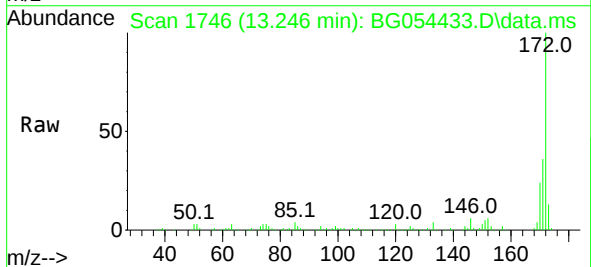
Manual Integrations
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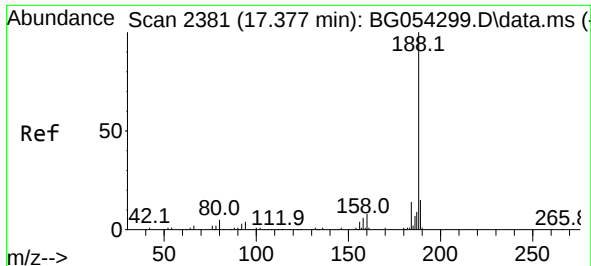
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#45
2-Fluorobiphenyl
Concen: 75.120 ng
RT: 13.246 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

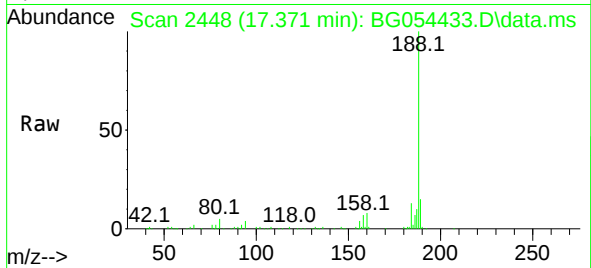
Tgt Ion:172 Resp: 305557
Ion Ratio Lower Upper
172 100
171 36.2 28.5 42.7
170 24.1 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

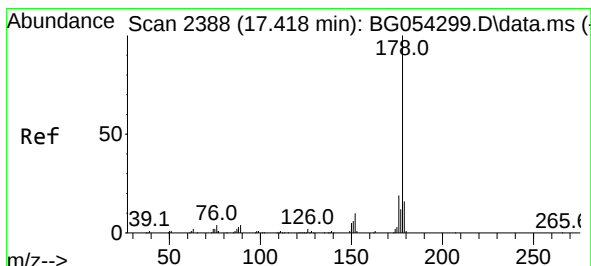
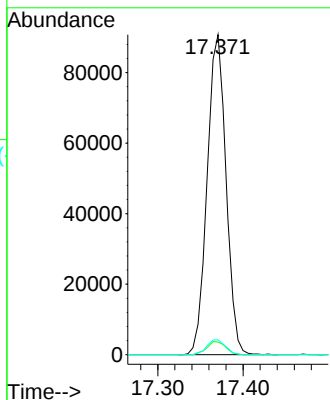
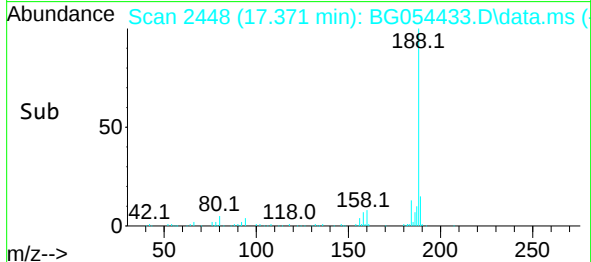
Instrument :
BNA_G
ClientSampleId :
RVE-12



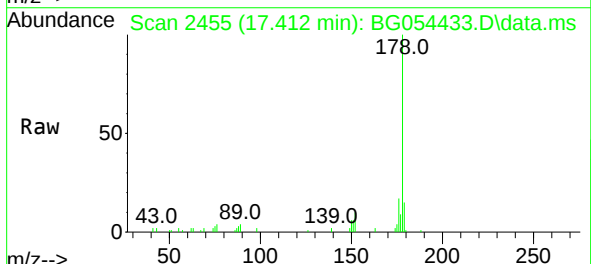
Tgt Ion:188 Resp: 13982
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0
80 4.7 6.8 10.2

Manual Integrations
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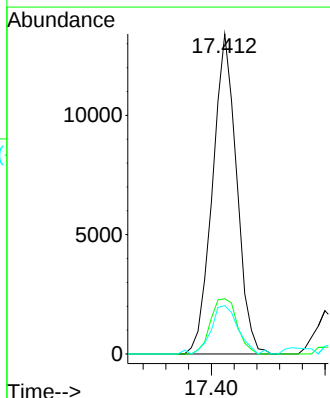
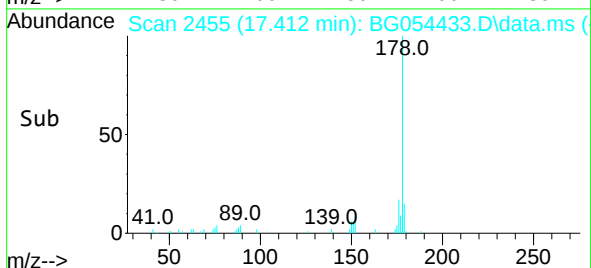
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

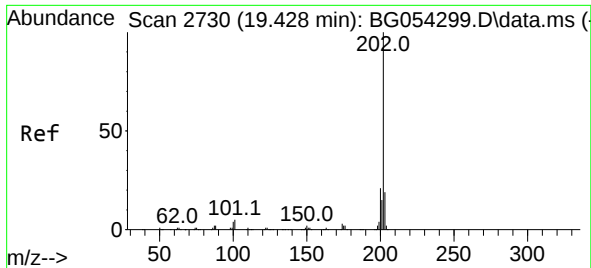


#71
Phenanthrene
Concen: 2.830 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44



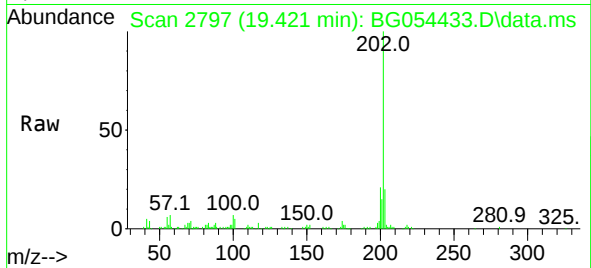
Tgt Ion:178 Resp: 19709
Ion Ratio Lower Upper
178 100
176 17.3 14.1 21.1
179 15.1 12.1 18.1





#75
Fluoranthene
Concen: 5.578 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

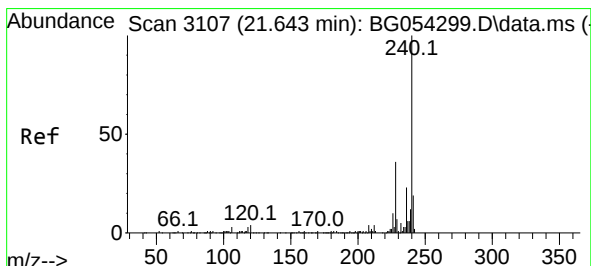
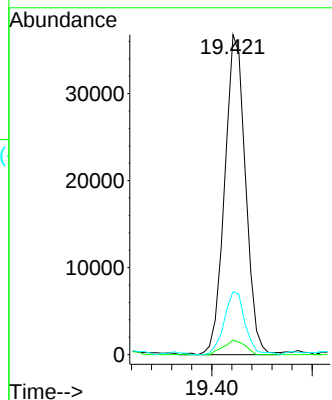
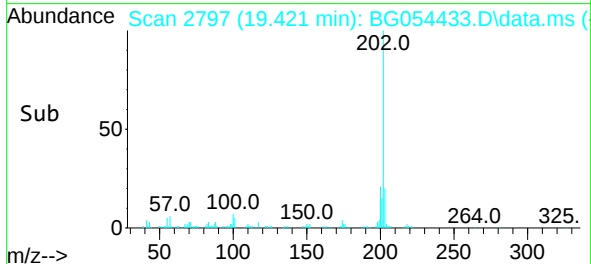
Instrument :
BNA_G
ClientSampleId :
RVE-12



Tgt Ion:202 Resp: 5294
Ion Ratio Lower Upper
202 100
101 4.6 0.0 26.9
203 19.7 0.0 37.2

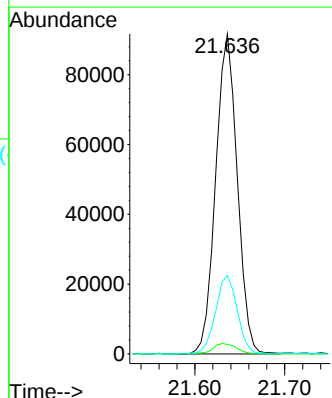
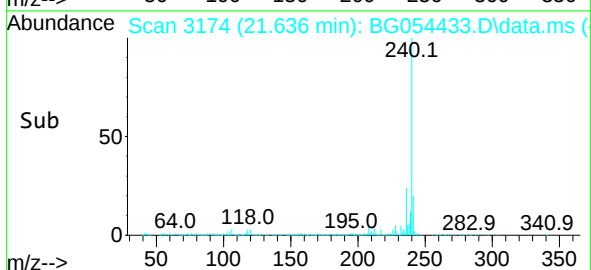
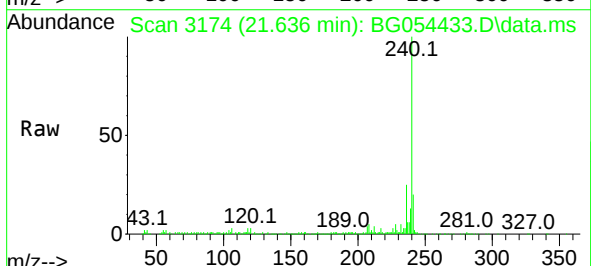
Manual Integrations
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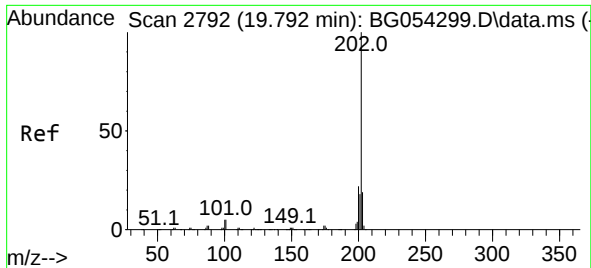
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

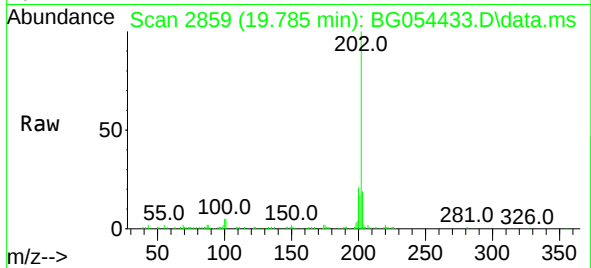
Tgt Ion:240 Resp: 152938
Ion Ratio Lower Upper
240 100
120 3.0 4.6 7.0#
236 24.5 20.2 30.4





#78
Pyrene
Concen: 6.924 ng
RT: 19.785 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

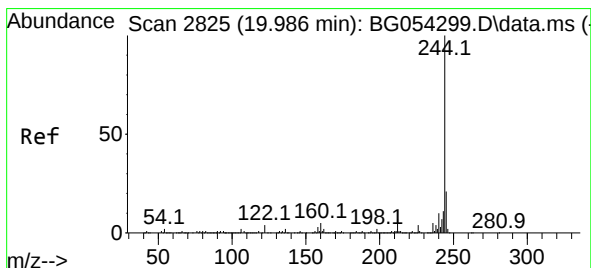
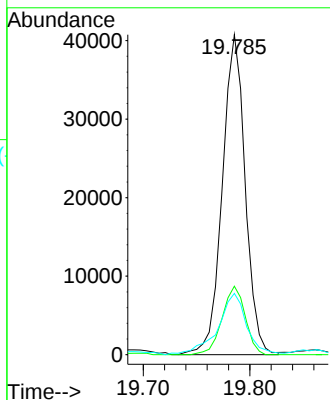
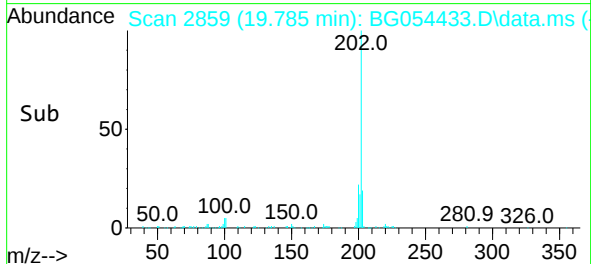
Instrument :
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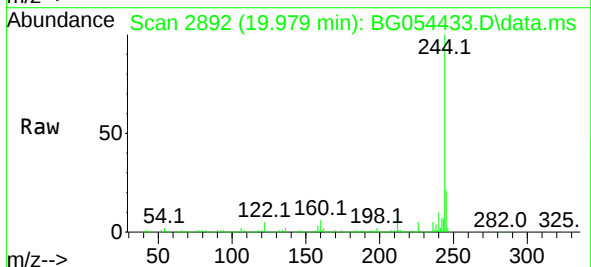
Tgt Ion:202 Resp: 60760
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 19.2 14.6 21.8

Manual Integrations
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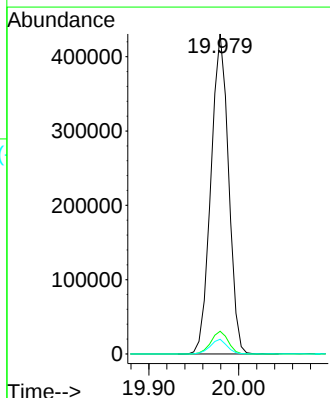
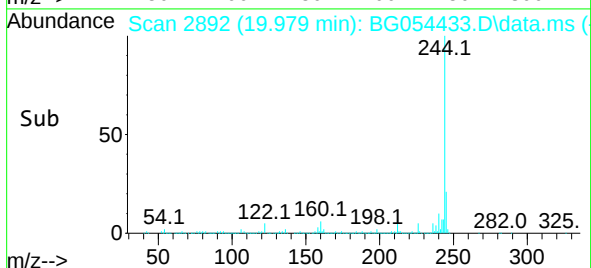
Reviewed By :Christian Giraldo 07/29/2022
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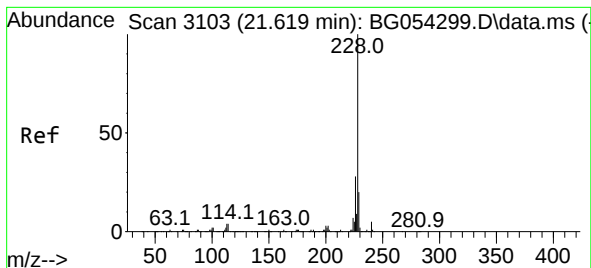


#79
Terphenyl-d14
Concen: 76.150 ng
RT: 19.979 min Scan# 2892
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44



Tgt Ion:244 Resp: 587063
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 4.6 5.0 7.4





#81

Benzo(a)anthracene

Concen: 3.725 ng

RT: 21.613 min Scan# 3103

Delta R.T. -0.001 min

Lab File: BG054433.D

Acq: 28 Jul 2022 15:44

Instrument :

BNA_G

ClientSampleId :

RVE-12

Tgt Ion:228 Resp: 36160

Ion Ratio Lower Upper

228 100

226 27.4 21.6 32.4

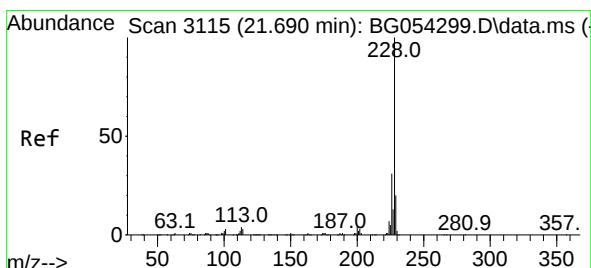
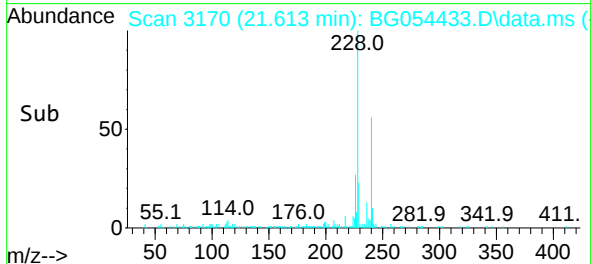
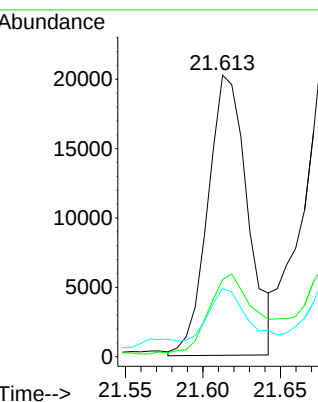
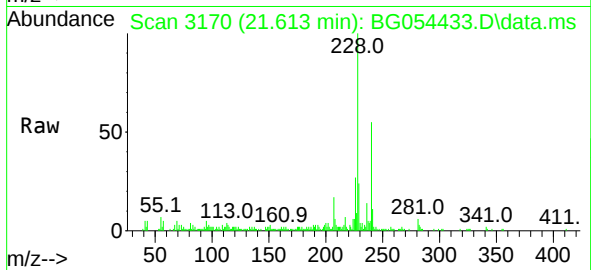
229 24.2 16.2 24.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#83

Chrysene

Concen: 4.836 ng

RT: 21.677 min Scan# 3181

Delta R.T. -0.007 min

Lab File: BG054433.D

Acq: 28 Jul 2022 15:44

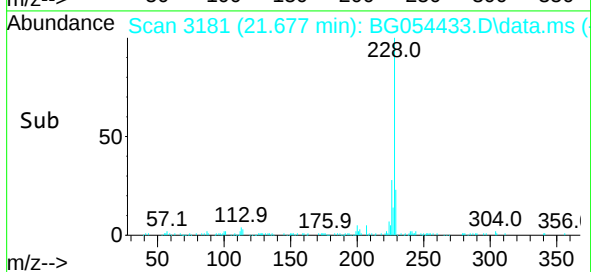
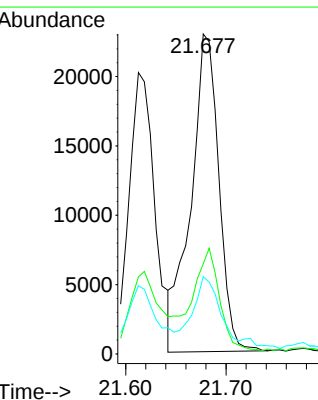
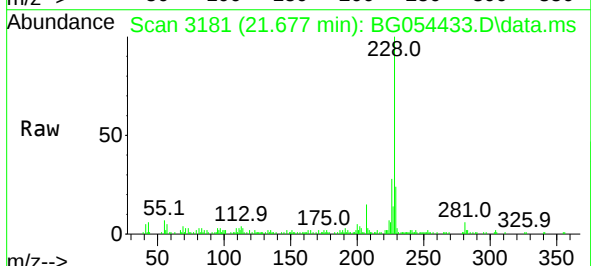
Tgt Ion:228 Resp: 44359

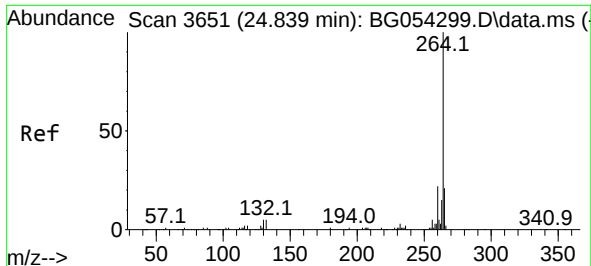
Ion Ratio Lower Upper

228 100

226 28.2 23.4 35.2

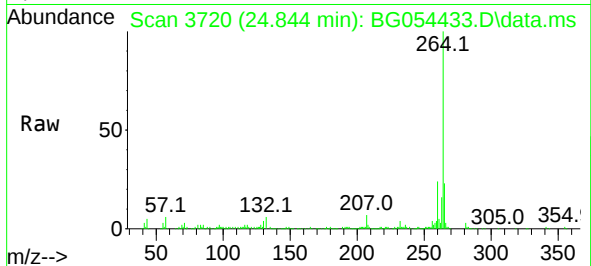
229 24.1 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.844 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

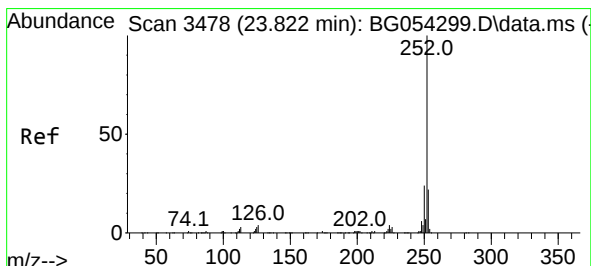
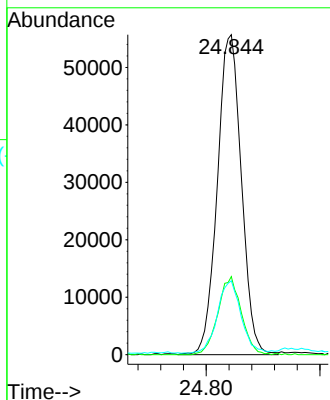
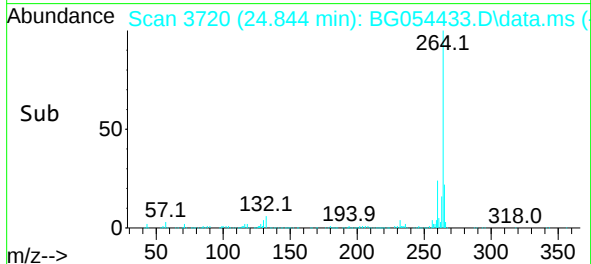
Instrument :
BNA_G
ClientSampleId :
RVE-12



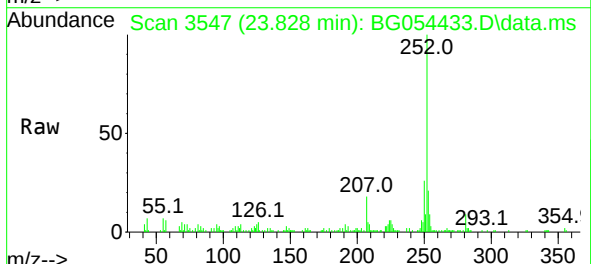
Tgt Ion:264 Resp: 163652
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 23.1 17.4 26.2

Manual Integrations
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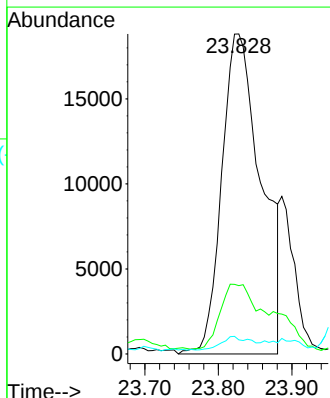
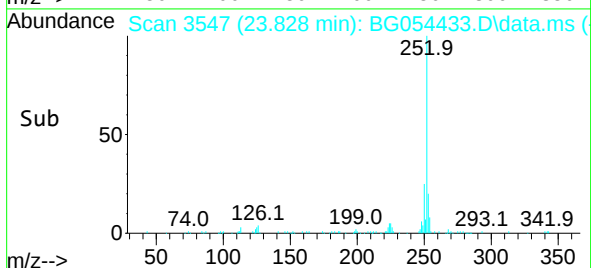
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

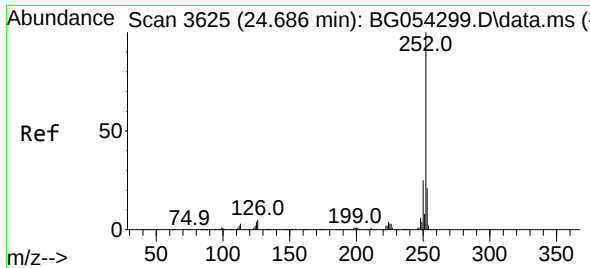


#88
Benzo(b)fluoranthene
Concen: 7.261 ng m
RT: 23.828 min Scan# 3547
Delta R.T. 0.005 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44



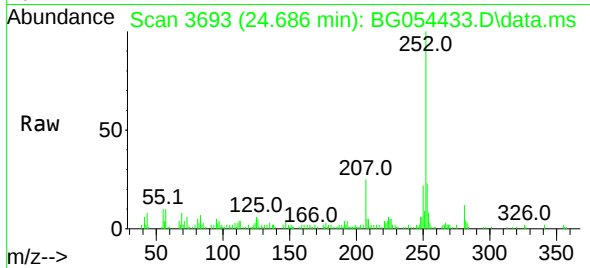
Tgt Ion:252 Resp: 70273
Ion Ratio Lower Upper
252 100
253 21.4 18.0 27.0
125 4.4 4.6 6.8#





#90
Benzo(a)pyrene
Concen: 5.375 ng
RT: 24.686 min Scan# 30
Delta R.T. -0.001 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44

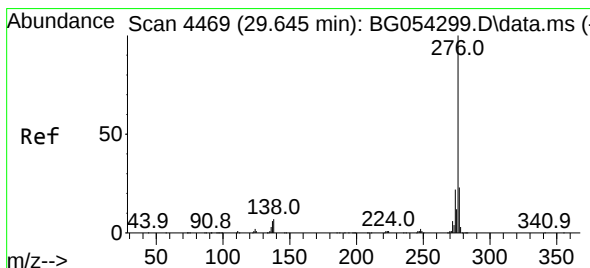
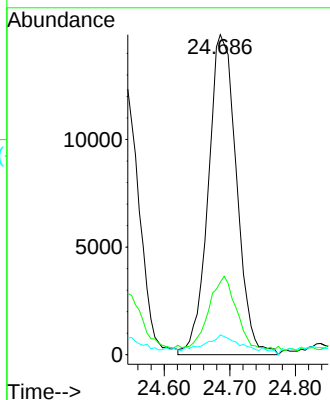
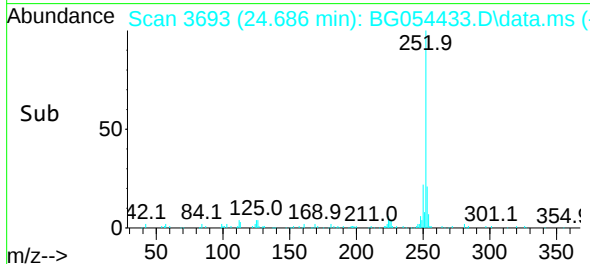
Instrument :
BNA_G
ClientSampleId :
RVE-12



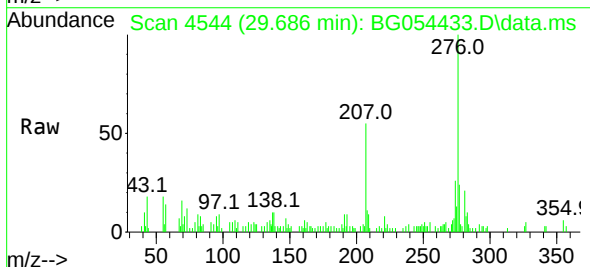
Tgt Ion:252 Resp: 4442
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 6.2 4.3 6.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#92
Benzo(g,h,i)perylene
Concen: 3.684 ng
RT: 29.686 min Scan# 4544
Delta R.T. 0.023 min
Lab File: BG054433.D
Acq: 28 Jul 2022 15:44



Tgt Ion:276 Resp: 37218
Ion Ratio Lower Upper
276 100
277 24.4 17.3 25.9
138 10.2 9.6 14.4

