

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080322\
 Data File : BG054500.D
 Acq On : 3 Aug 2022 15:18
 Operator : CG/JU
 Sample : N3935-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-145

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/04/2022
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 04 00:43:45 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	7.976	152	16630	20.000	ng	-0.01
21) Naphthalene-d8	10.790	136	65989	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	52355	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	130683	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	146264	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	153864	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	112313	141.008	ng	0.00
7) Phenol-d6	7.177	99	153718	140.845	ng	0.00
23) Nitrobenzene-d5	9.145	82	103697	85.575	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	148729	135.299	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	328703	88.568	ng	0.00
79) Terphenyl-d14	19.974	244	683332	92.681	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.406	178	36676	5.636	ng	99
75) Fluoranthene	19.421	202	102250	11.526	ng	95
78) Pyrene	19.786	202	103478	12.330	ng	99
81) Benzo(a)anthracene	21.613	228	75328	8.113	ng	99
83) Chrysene	21.678	228	77380	8.821	ng	97
87) Indeno(1,2,3-cd)pyrene	28.523	276	94250	8.052	ng	# 98
88) Benzo(b)fluoranthene	23.822	252	137528	15.114	ng	97
89) Benzo(k)fluoranthene	23.881	252	44892m	4.957	ng	
90) Benzo(a)pyrene	24.692	252	113900	14.657	ng	99
92) Benzo(g,h,i)perylene	29.686	276	100783	10.609	ng	94

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

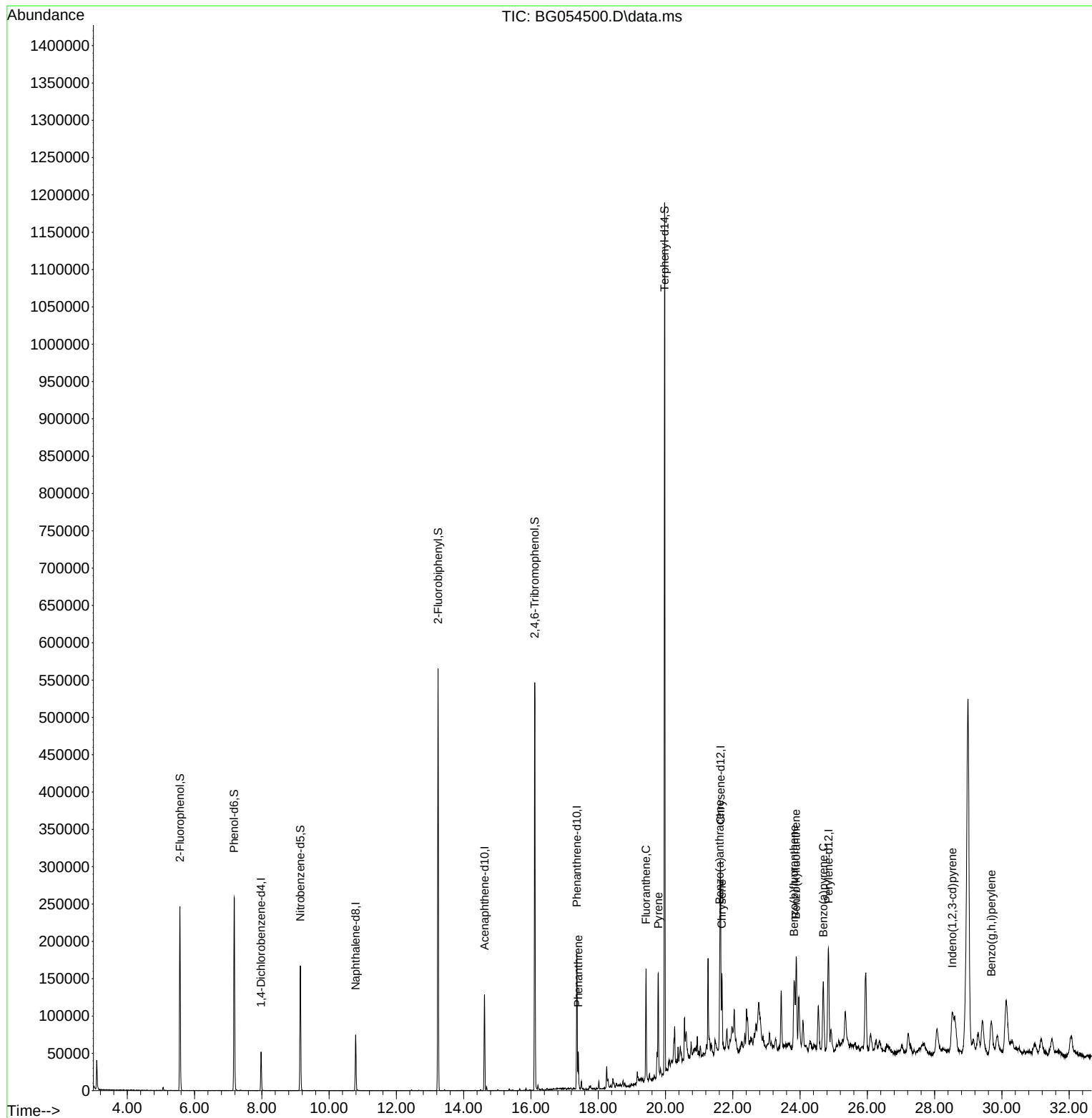
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080322\
Data File : BG054500.D
Acq On : 3 Aug 2022 15:18
Operator : CG/JU
Sample : N3935-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

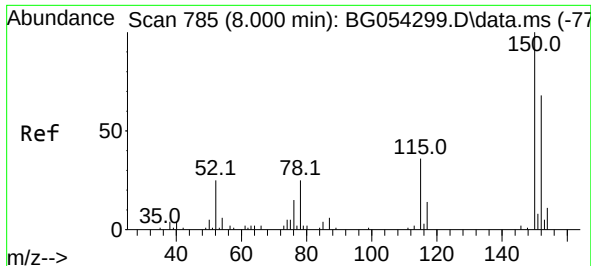
Instrument :
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ClientSampleId :
RVE-145

Quant Time: Aug 04 00:43:45 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
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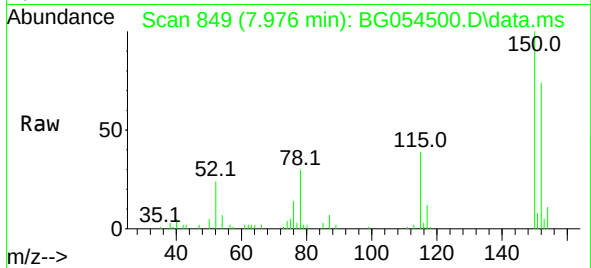
Reviewed By : Christian Giraldo 08/04/2022
Supervised By : Jagrut Upadhyay 08/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. -0.012 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

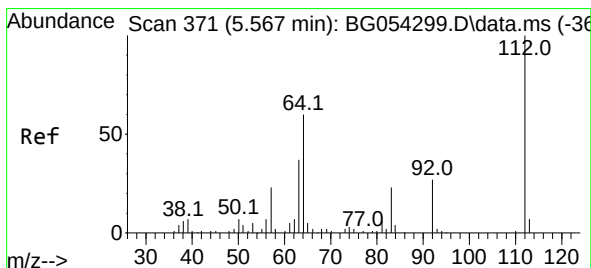
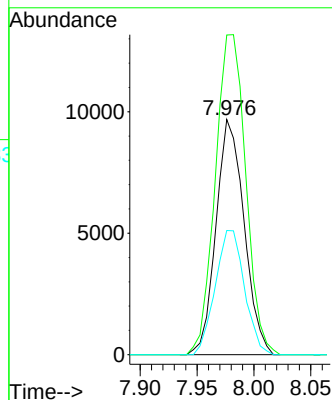
Instrument :
BNA_G
ClientSampleId :
RVE-145



Tgt Ion:152 Resp: 16630
Ion Ratio Lower Upper
152 100
150 136.0 131.6 197.4
115 52.8 50.9 76.3

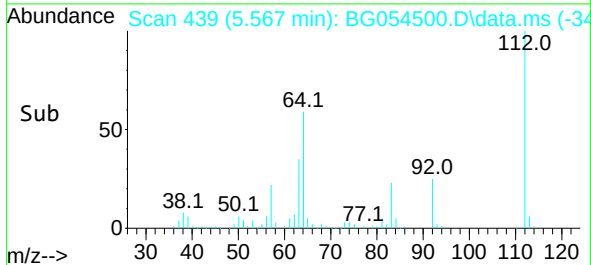
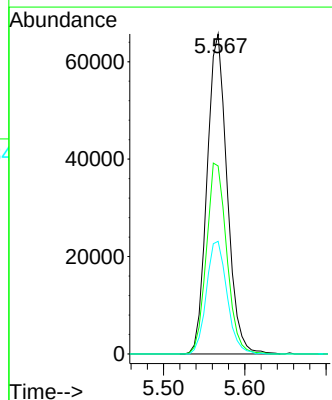
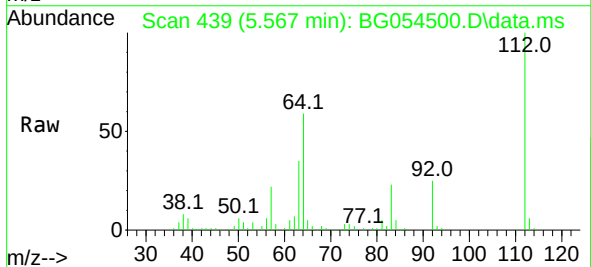
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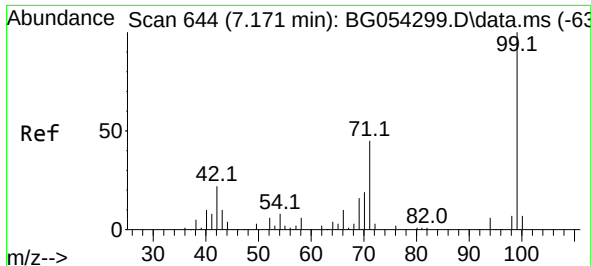
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 141.008 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

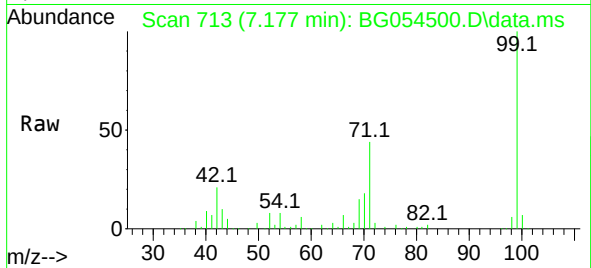
Tgt Ion:112 Resp: 112313
Ion Ratio Lower Upper
112 100
64 58.7 55.1 82.7
63 35.2 30.4 45.6





#7
Phenol-d6
Concen: 140.845 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

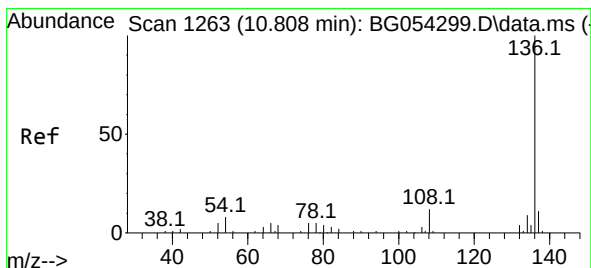
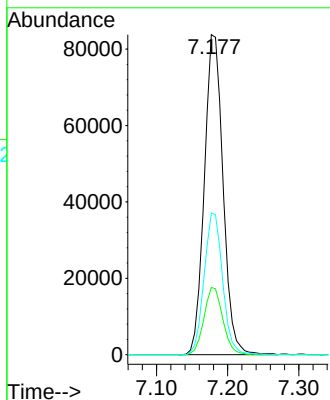
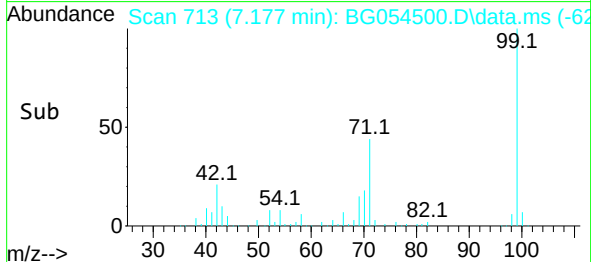
Instrument :
BNA_G
ClientSampleId :
RVE-145



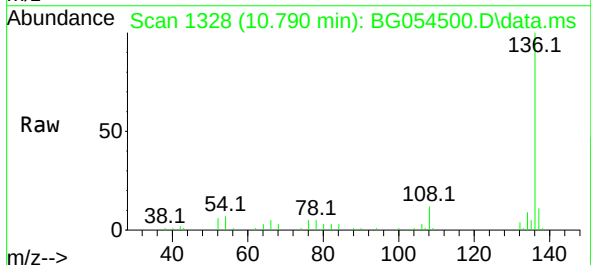
Tgt Ion: 99 Resp: 153718
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 44.3 33.8 50.8

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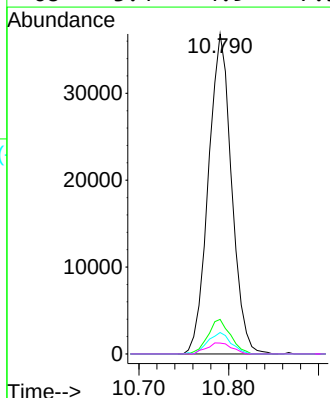
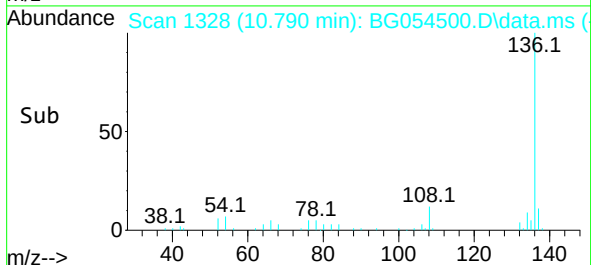
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

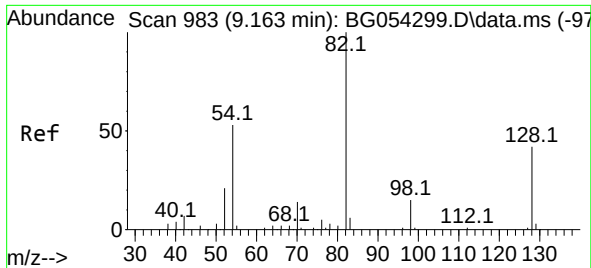


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.790 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18



Tgt Ion:136 Resp: 65989
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 6.7 7.4 11.2#
68 3.4 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 85.575 ng
RT: 9.145 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Instrument :

BNA_G

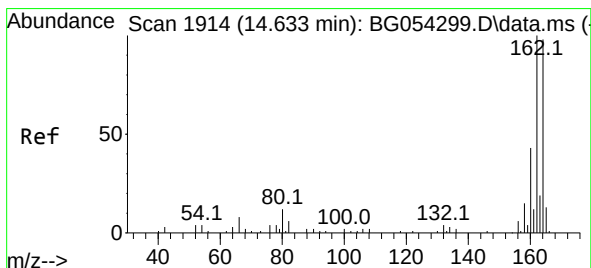
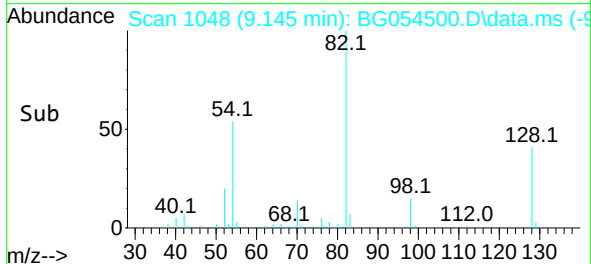
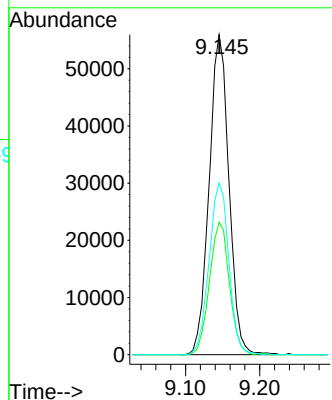
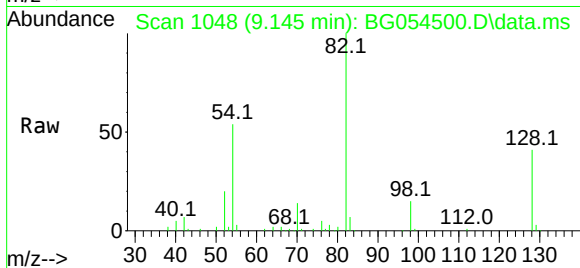
ClientSampleId :

RVE-145

Tgt Ion: 82 Resp: 10369
Ion Ratio Lower Upper
82 100
128 41.4 27.9 41.9
54 53.7 41.2 61.8

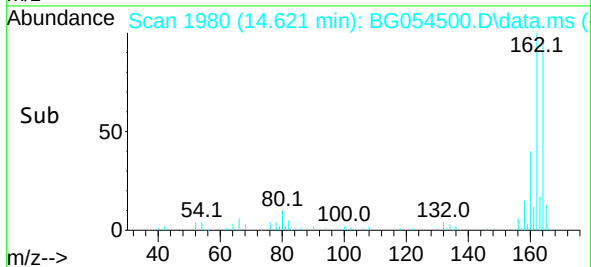
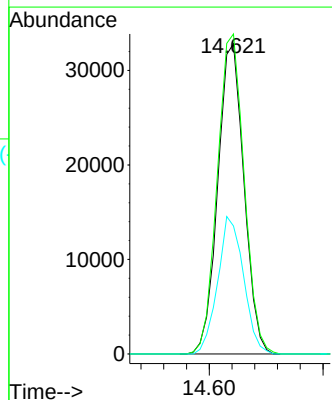
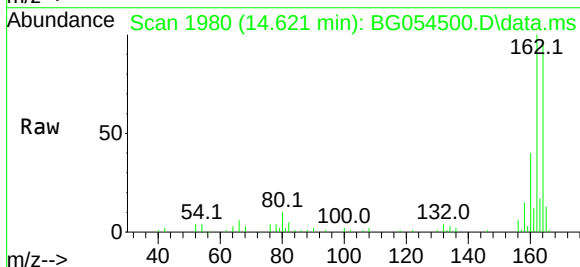
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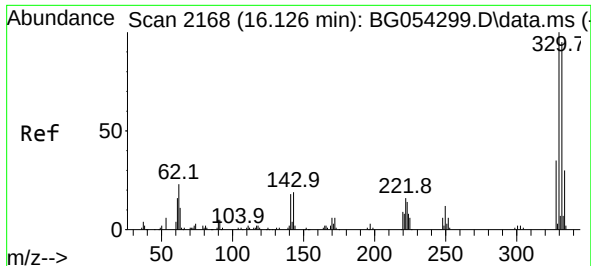
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Tgt Ion:164 Resp: 52355
Ion Ratio Lower Upper
164 100
162 103.1 82.3 123.5
160 41.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 135.299 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

Instrument :

BNA_G

ClientSampleId :

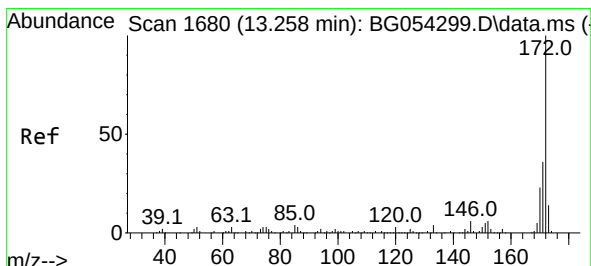
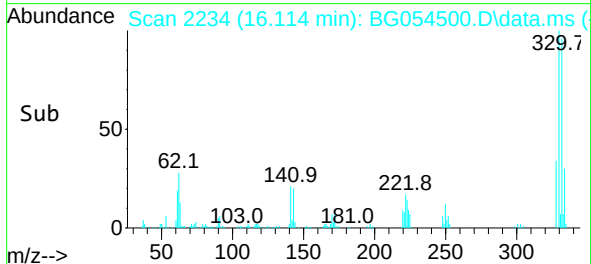
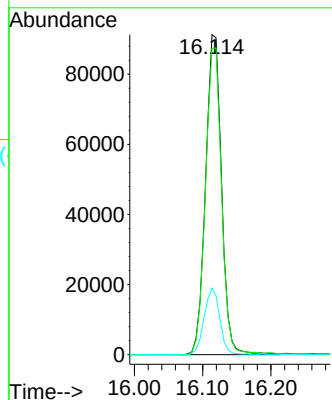
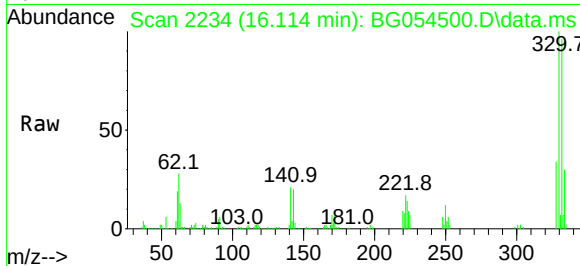
RVE-145

Tgt Ion:330 Resp: 148729
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 20.3 27.1 40.7

Manual Integrations

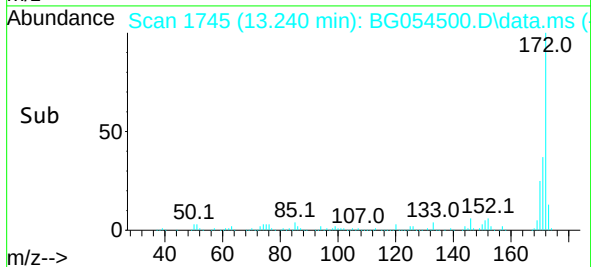
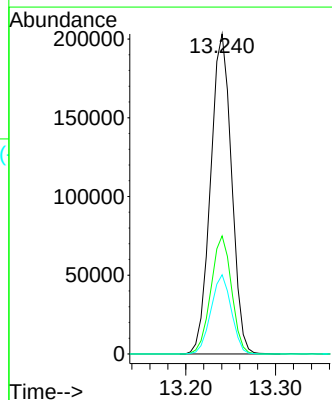
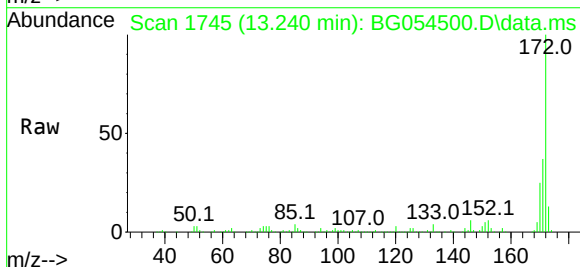
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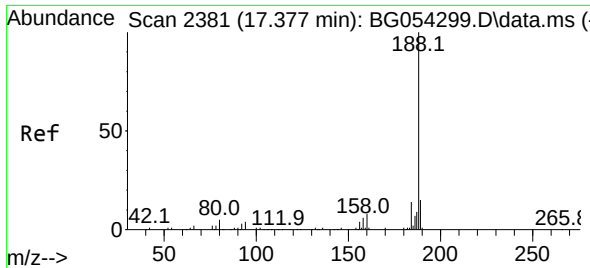
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#45
2-Fluorobiphenyl
Concen: 88.568 ng
RT: 13.240 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

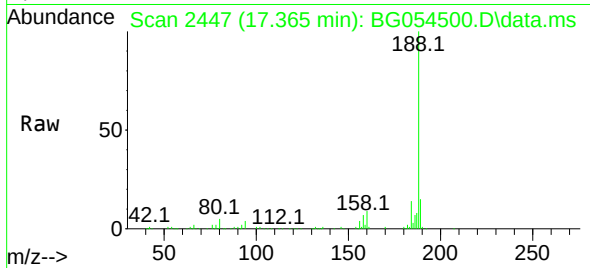
Tgt Ion:172 Resp: 328703
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.8 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

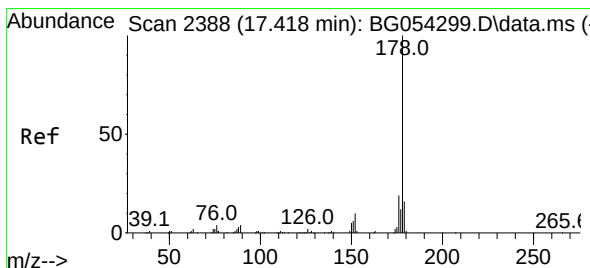
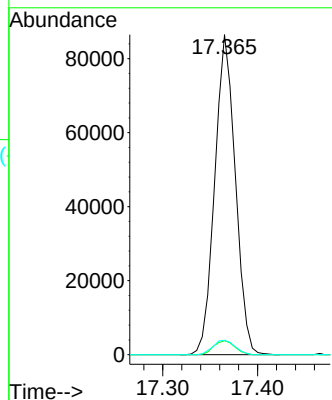
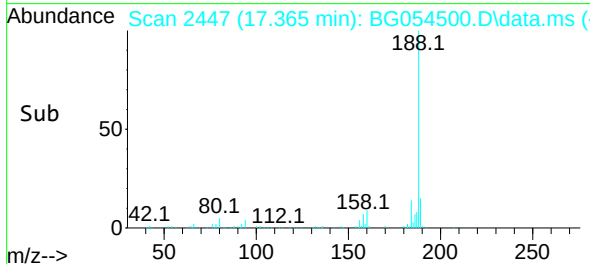
Instrument :
BNA_G
ClientSampleId :
RVE-145



Tgt Ion:188 Resp: 13068
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0
80 4.5 6.8 10.2

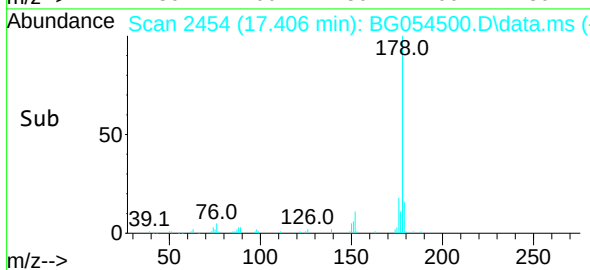
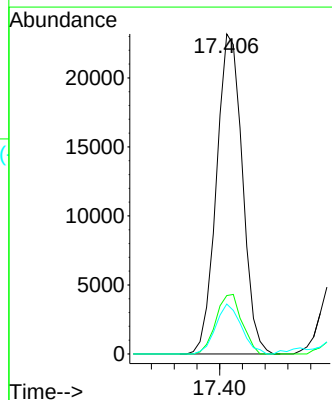
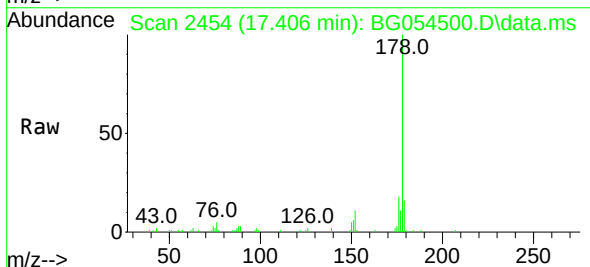
Manual Integrations
APPROVED

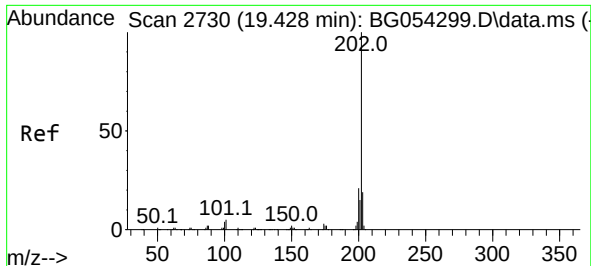
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#71
Phenanthrene
Concen: 5.636 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

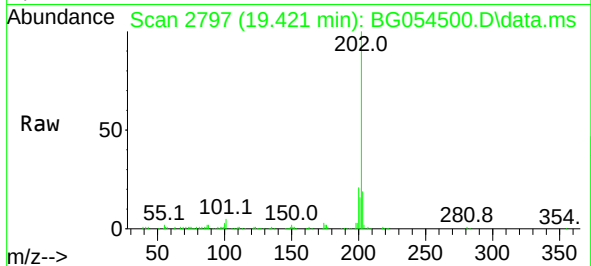
Tgt Ion:178 Resp: 36676
Ion Ratio Lower Upper
178 100
176 18.2 14.1 21.1
179 15.6 12.1 18.1





#75
Fluoranthene
Concen: 11.526 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

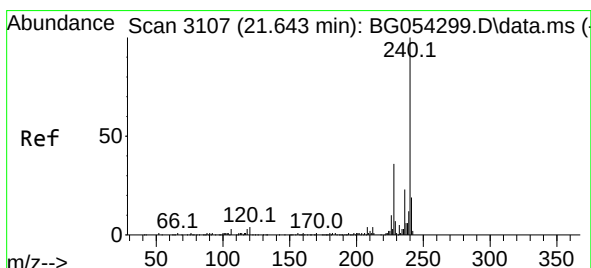
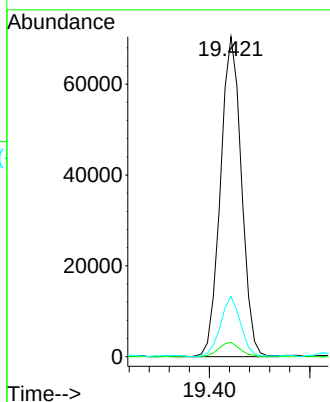
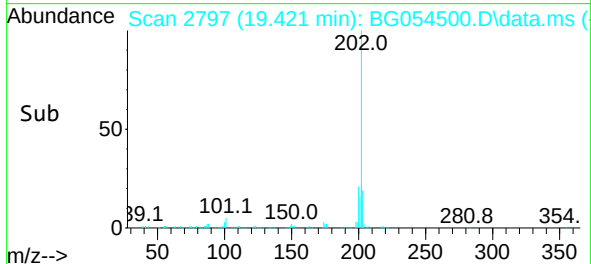
Instrument :
BNA_G
ClientSampleId :
RVE-145



Tgt Ion:202 Resp: 102250
Ion Ratio Lower Upper
202 100
101 4.5 0.0 26.9
203 18.8 0.0 37.2

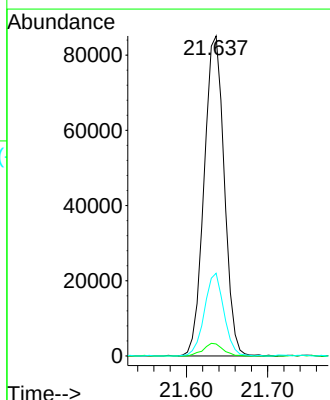
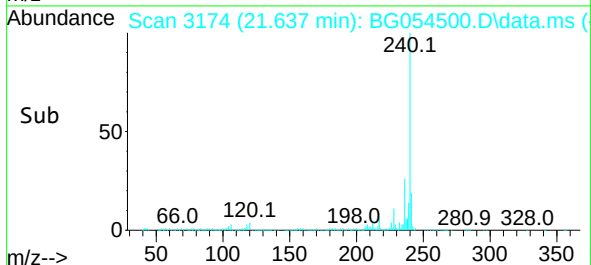
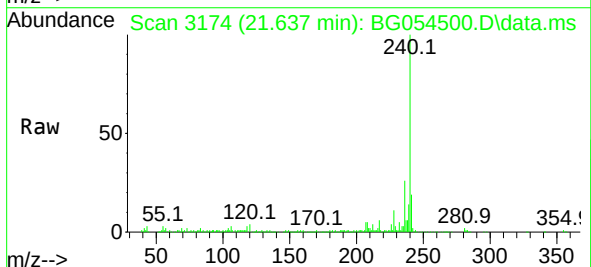
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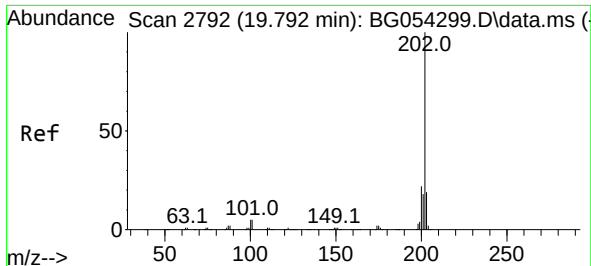
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.637 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

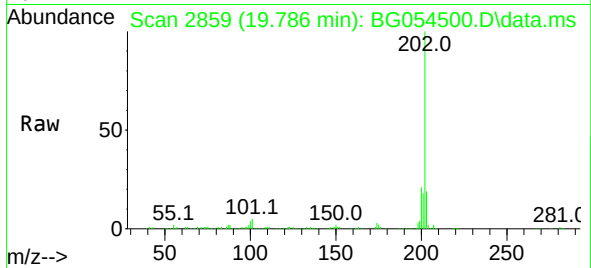
Tgt Ion:240 Resp: 146264
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 25.8 20.2 30.4





#78
Pyrene
Concen: 12.330 ng
RT: 19.786 min Scan# 2859
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

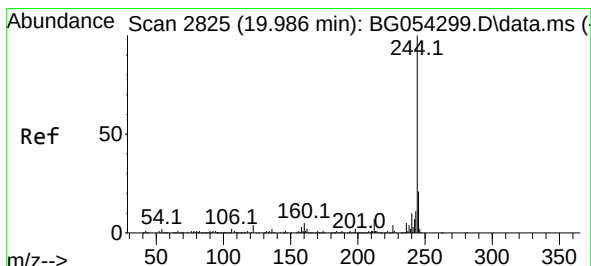
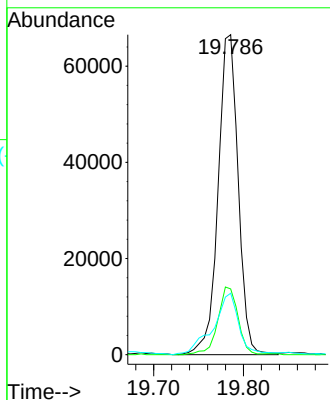
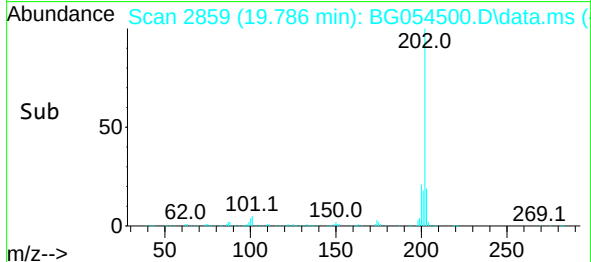
Instrument :
BNA_G
ClientSampleId :
RVE-145



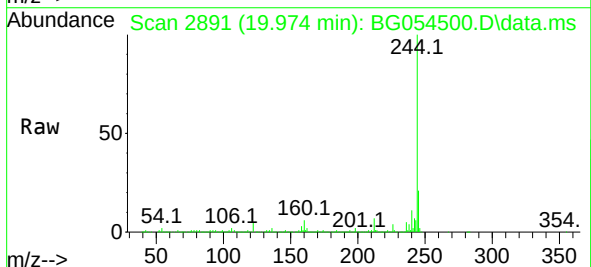
Tgt Ion:202 Resp: 103478
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 19.2 14.6 21.8

Manual Integrations
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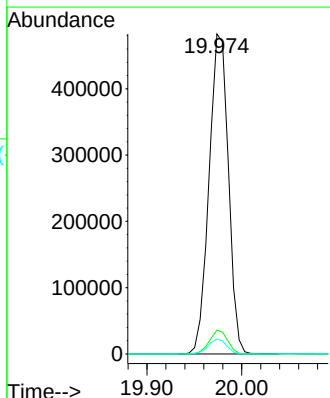
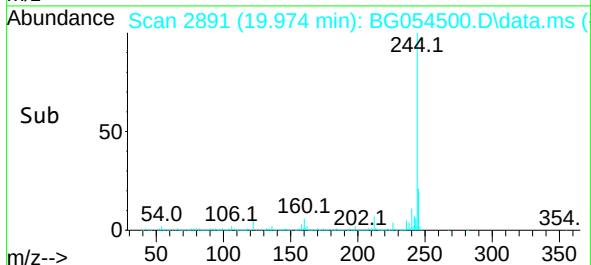
Reviewed By :Christian Giraldo 08/04/2022
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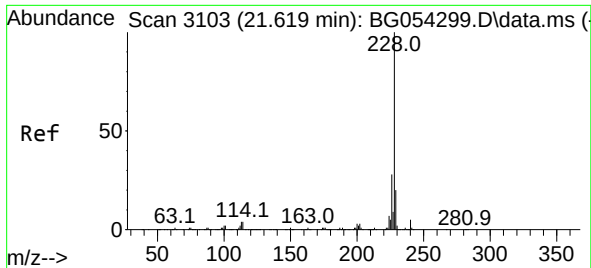


#79
Terphenyl-d14
Concen: 92.681 ng
RT: 19.974 min Scan# 2891
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18



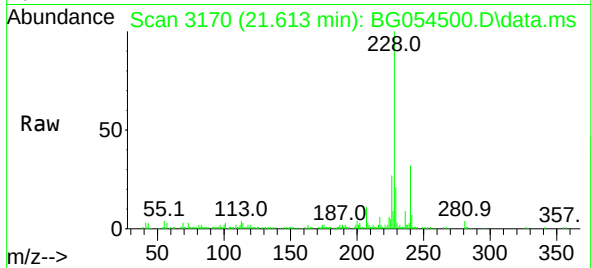
Tgt Ion:244 Resp: 683332
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 4.7 5.0 7.4





#81
Benzo(a)anthracene
Concen: 8.113 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

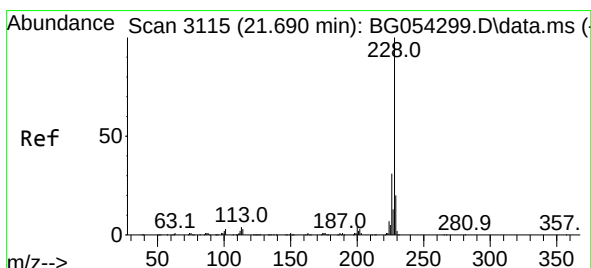
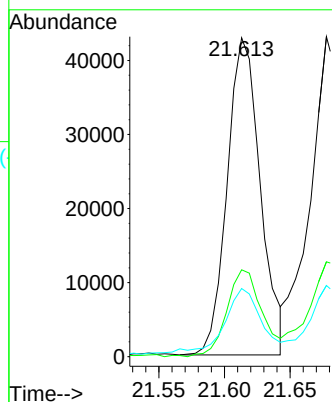
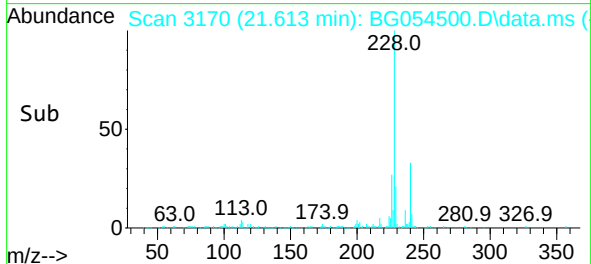
Instrument :
BNA_G
ClientSampleId :
RVE-145



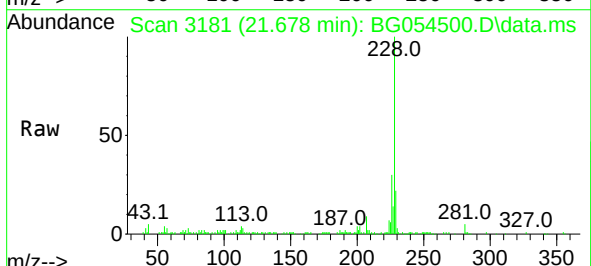
Tgt Ion:228 Resp: 75328
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 21.4 16.2 24.2

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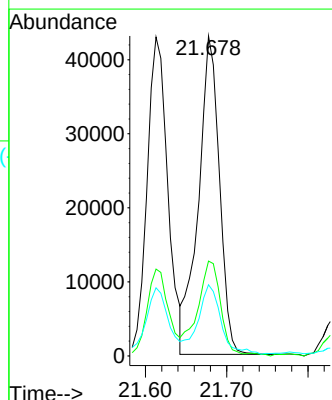
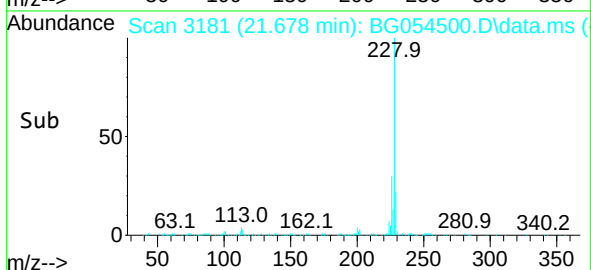
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

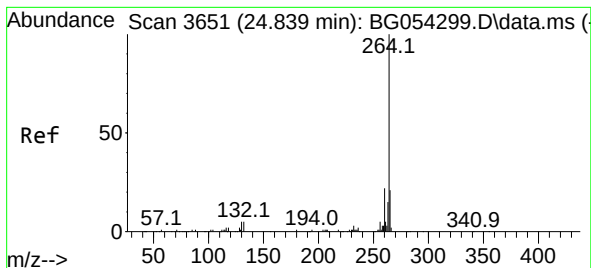


#83
Chrysene
Concen: 8.821 ng
RT: 21.678 min Scan# 3181
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18



Tgt Ion:228 Resp: 77380
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.2
229 22.3 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.845 min Scan# 31

Delta R.T. 0.011 min

Lab File: BG054500.D

Acq: 3 Aug 2022 15:18

Instrument :

BNA_G

ClientSampleId :

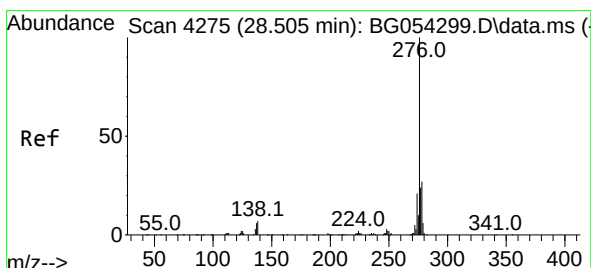
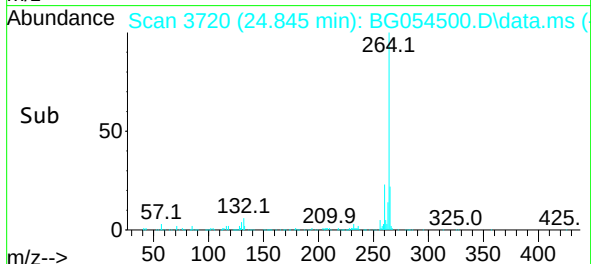
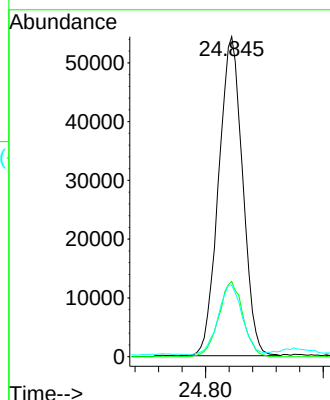
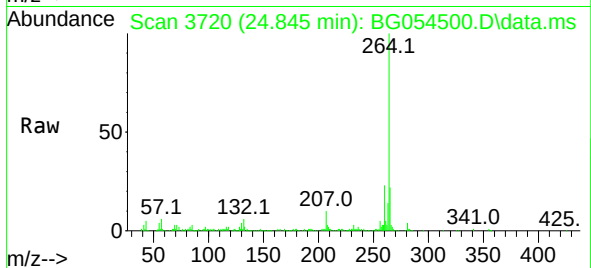
RVE-145

Tgt Ion:	264	Resp:	153864
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.6
265	22.4	17.4	26.2

Manual Integrations

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Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.052 ng

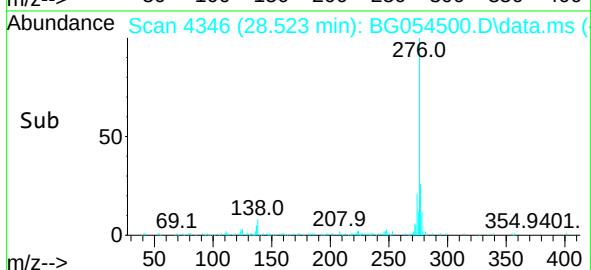
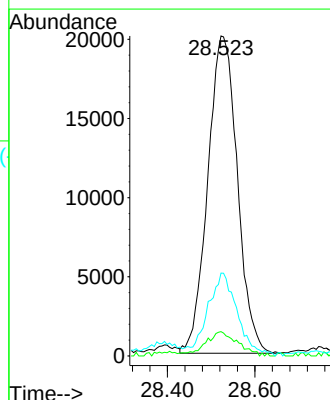
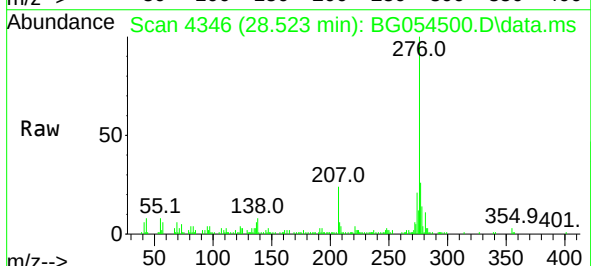
RT: 28.523 min Scan# 4346

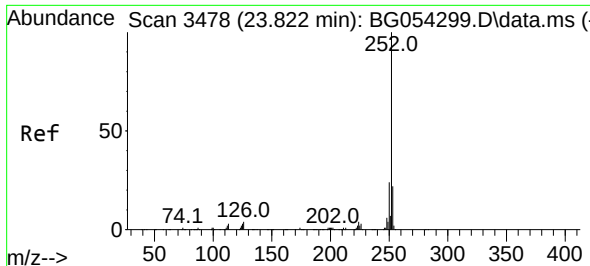
Delta R.T. 0.005 min

Lab File: BG054500.D

Acq: 3 Aug 2022 15:18

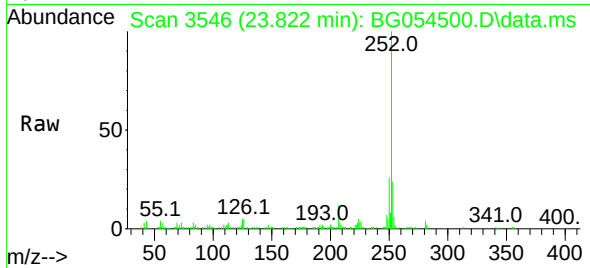
Tgt Ion:	276	Resp:	94250
Ion Ratio	Lower	Upper	
276	100		
138	8.3	5.0	7.4#
277	25.9	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 15.114 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

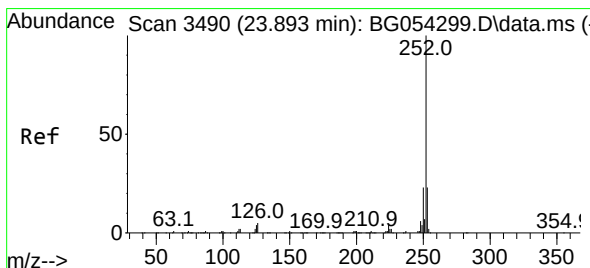
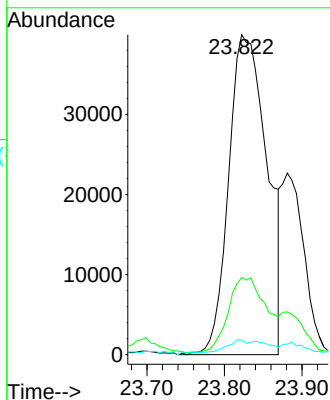
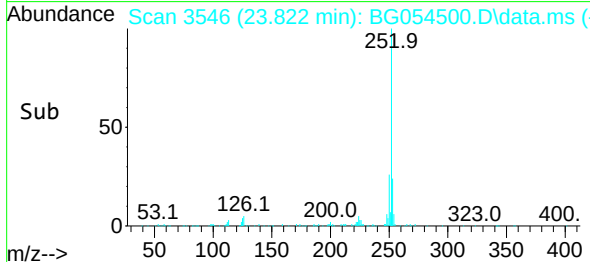
Instrument :
BNA_G
ClientSampleId :
RVE-145



Tgt Ion:252 Resp: 137528
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 4.6 4.6 6.8

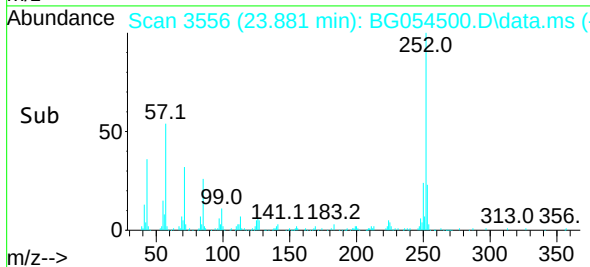
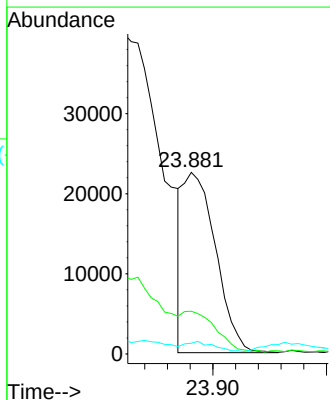
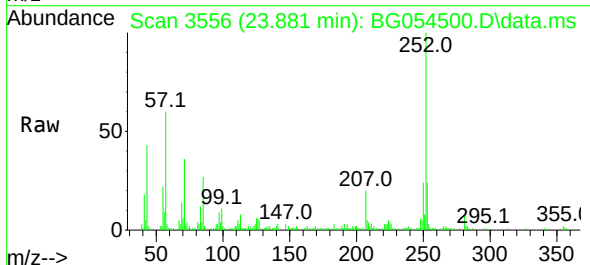
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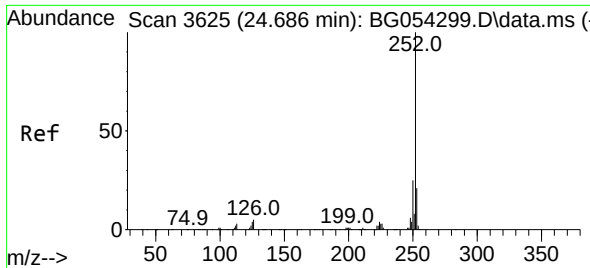
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#89
Benzo(k)fluoranthene
Concen: 4.957 ng m
RT: 23.881 min Scan# 3556
Delta R.T. -0.006 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

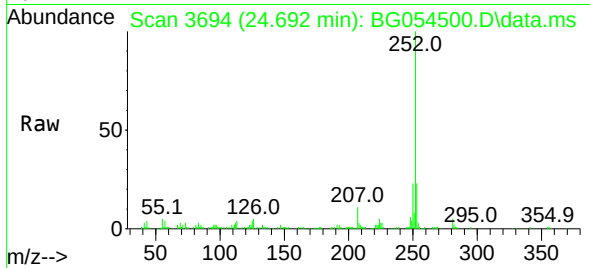
Tgt Ion:252 Resp: 44892
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 5.9 4.8 7.2





#90
Benzo(a)pyrene
Concen: 14.657 ng
RT: 24.692 min Scan# 30
Delta R.T. 0.005 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18

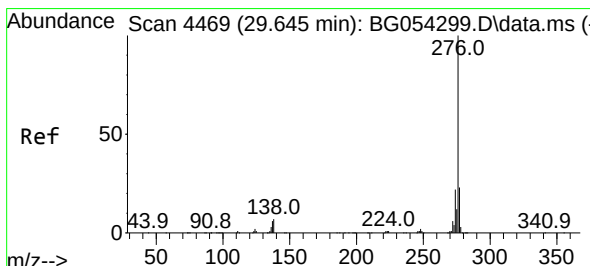
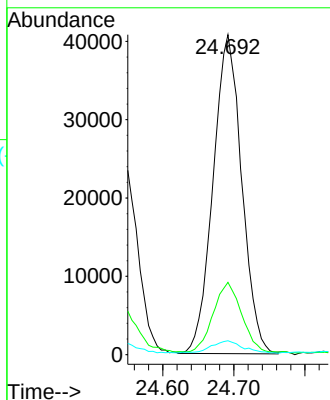
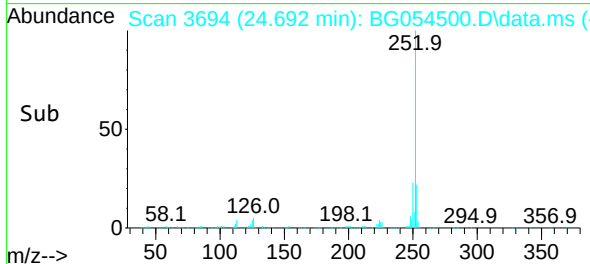
Instrument :
BNA_G
ClientSampleId :
RVE-145



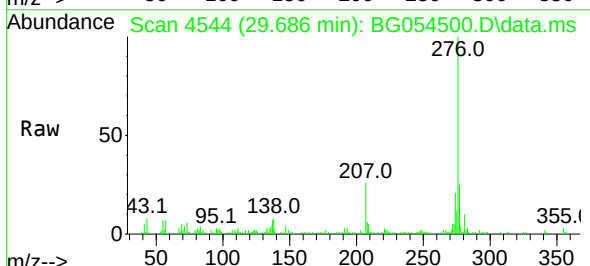
Tgt Ion:252 Resp: 113900
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 4.4 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#92
Benzo(g,h,i)perylene
Concen: 10.609 ng
RT: 29.686 min Scan# 4544
Delta R.T. 0.023 min
Lab File: BG054500.D
Acq: 3 Aug 2022 15:18



Tgt Ion:276 Resp: 100783
Ion Ratio Lower Upper
276 100
277 24.7 17.3 25.9
138 10.6 9.6 14.4

