

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
 Data File : BG054293.D
 Acq On : 14 Jul 2022 23:58
 Operator : CG/JU
 Sample : N3708-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-2-071322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/15/2022
 Supervised By : Jagrut Upadhyay 07/15/2022

Quant Time: Jul 15 01:59:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 15:49:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.042	152	20092	20.000	ng	0.00
21) Naphthalene-d8	10.844	136	78860	20.000	ng	# 0.00
39) Acenaphthene-d10	14.663	164	61304	20.000	ng	0.00
64) Phenanthrene-d10	17.407	188	152322	20.000	ng	#-0.01
76) Chrysene-d12	21.684	240	176380	20.000	ng	# 0.00
86) Perylene-d12	24.928	264	191270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.609	112	18671	18.670	ng	0.00
7) Phenol-d6	7.207	99	24419	17.704	ng	0.00
23) Nitrobenzene-d5	9.199	82	16246	11.180	ng	0.00
42) 2,4,6-Tribromophenol	16.156	330	22218	18.710	ng	0.00
45) 2-Fluorobiphenyl	13.288	172	55563	13.317	ng	0.00
79) Terphenyl-d14	20.016	244	115424	13.457	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.454	178	112695	14.790	ng	98
72) Anthracene	17.542	178	31285	4.193	ng	99
75) Fluoranthene	19.464	202	276990	26.731	ng	95
78) Pyrene	19.822	202	253418	24.965	ng	99
81) Benzo(a)anthracene	21.661	228	157287	14.097	ng	97
83) Chrysene	21.726	228	142805m	13.533	ng	
87) Indeno(1,2,3-cd)pyrene	28.629	276	109242	7.592	ng	98
88) Benzo(b)fluoranthene	23.900	252	206945	18.246	ng	# 98
89) Benzo(k)fluoranthene	23.952	252	65653m	5.835	ng	
90) Benzo(a)pyrene	24.769	252	160424m	16.531	ng	
91) Dibenzo(a,h)anthracene	28.682	278	26718	2.267	ng	# 79
92) Benzo(g,h,i)perylene	29.793	276	111869	9.515	ng	# 89

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

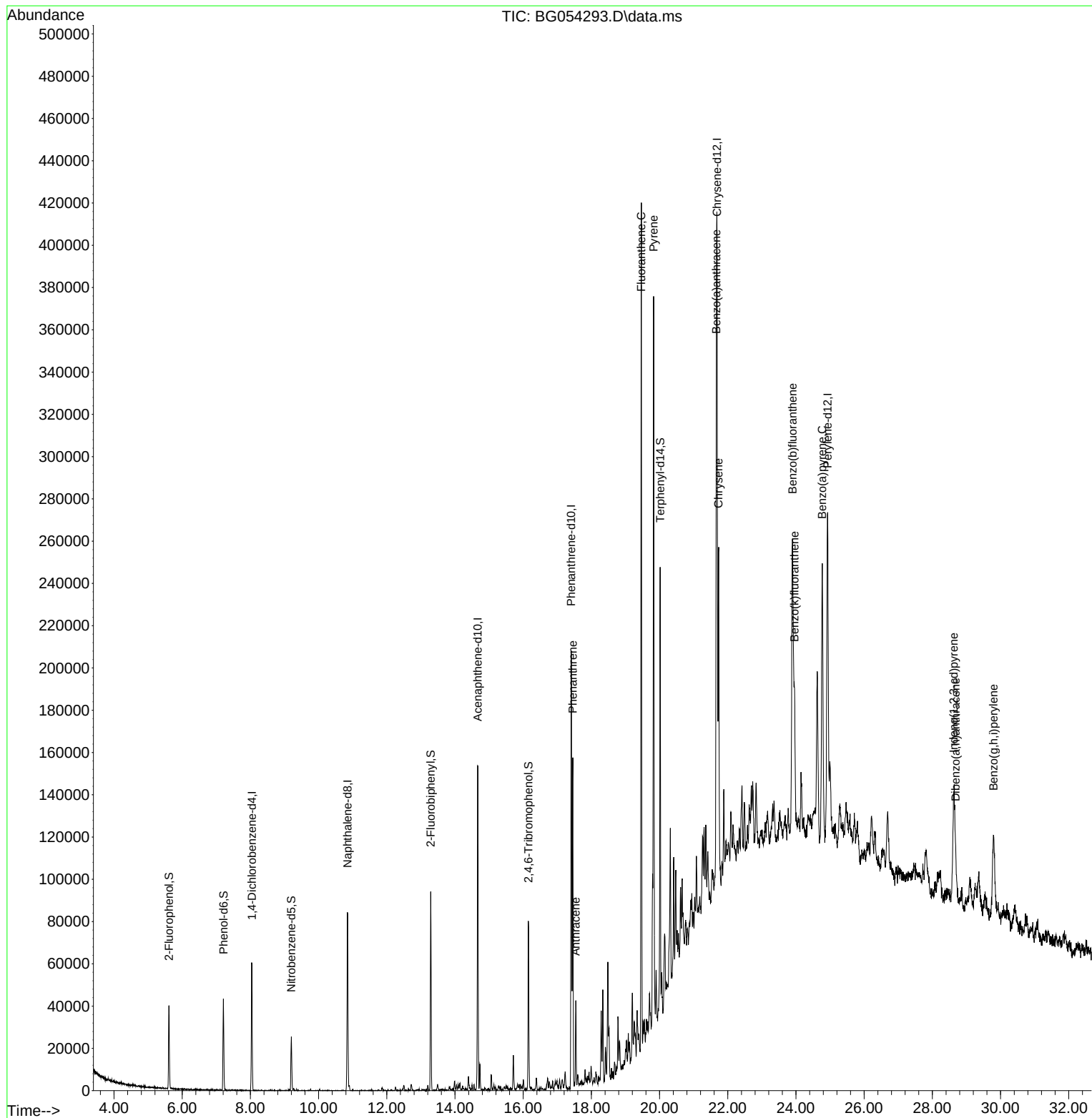
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

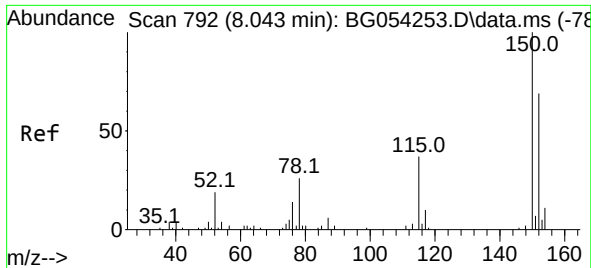
Instrument :
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Quant Time: Jul 15 01:59:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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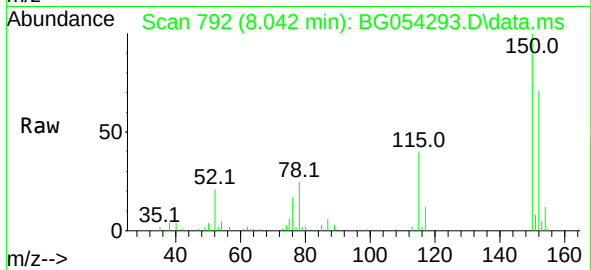
Reviewed By : Christian Giraldo 07/15/2022
Supervised By : Jagrut Upadhyay 07/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.042 min Scan# 792
Delta R.T. -0.001 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

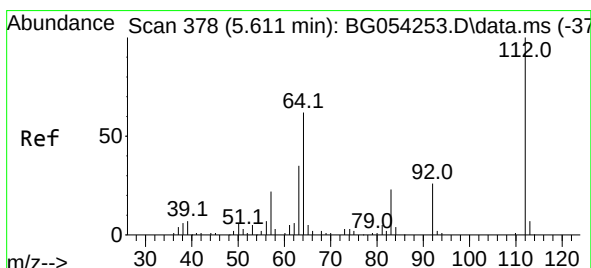
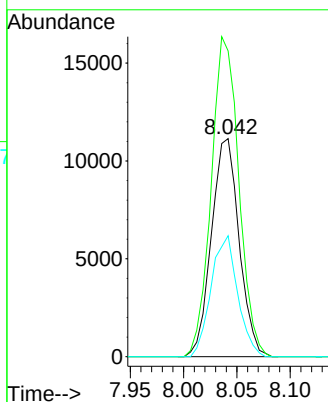
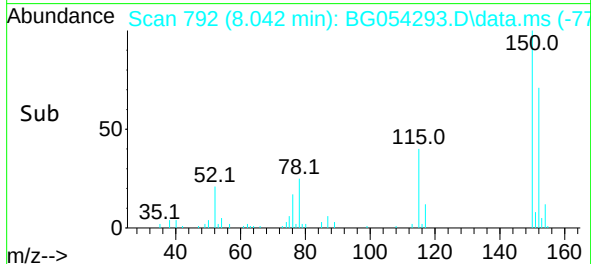
Instrument :
BNA_G
ClientSampleId :
OR-2-071322



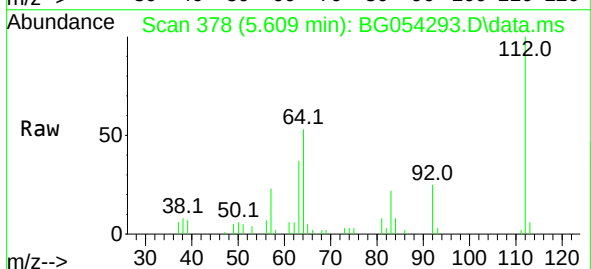
Tgt Ion:152 Resp: 20092
Ion Ratio Lower Upper
152 100
150 140.1 131.6 197.4
115 55.4 50.9 76.3

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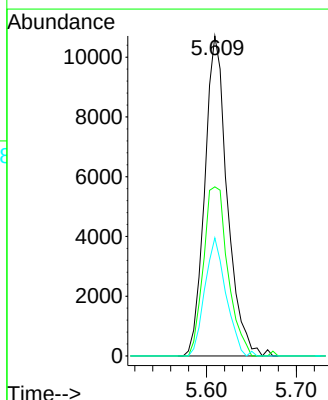
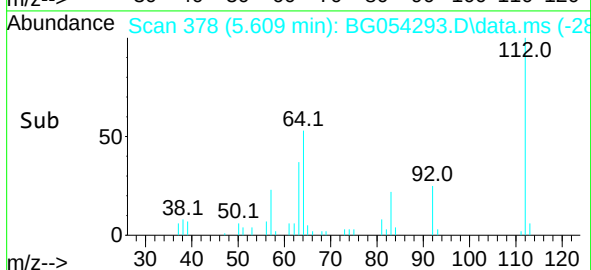
Reviewed By :Christian Giraldo 07/15/2022
Supervised By :Jagrut Upadhyay 07/15/2022

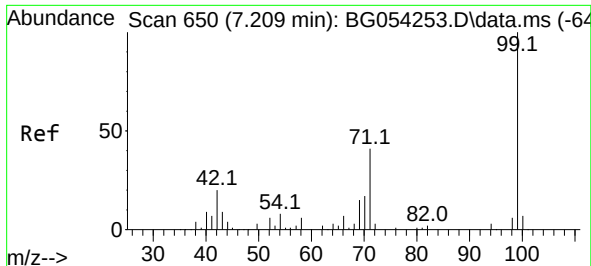


#5
2-Fluorophenol
Concen: 18.670 ng
RT: 5.609 min Scan# 378
Delta R.T. -0.001 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58



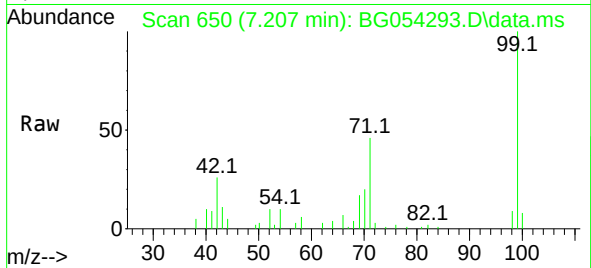
Tgt Ion:112 Resp: 18671
Ion Ratio Lower Upper
112 100
64 52.9 55.1 82.7#
63 36.9 30.4 45.6





#7
Phenol-d6
Concen: 17.704 ng
RT: 7.207 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

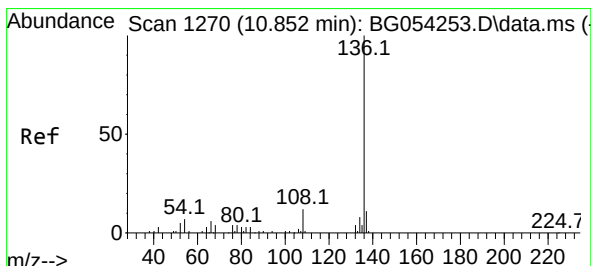
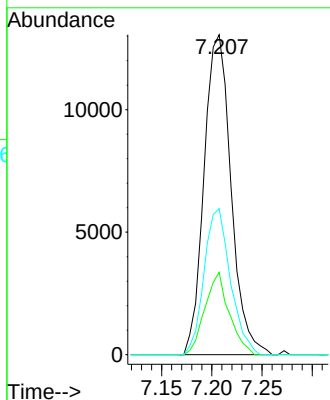
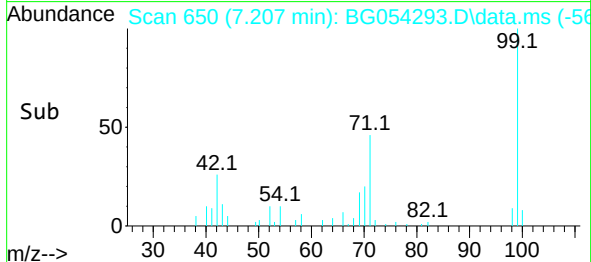
Instrument :
BNA_G
ClientSampleId :
OR-2-071322



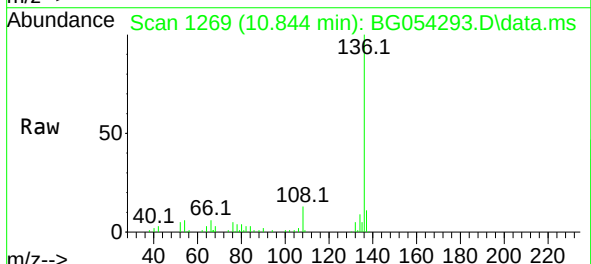
Tgt Ion: 99 Resp: 24419
Ion Ratio Lower Upper
99 100
42 25.7 17.0 25.6
71 45.7 33.8 50.8

Manual Integrations
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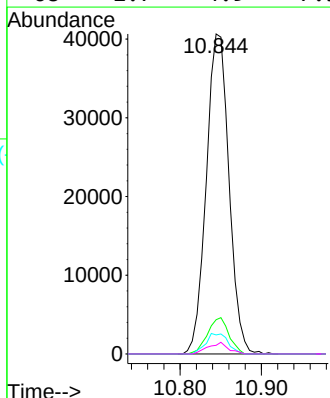
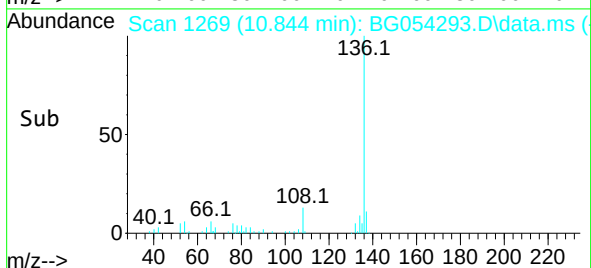
Reviewed By :Christian Giraldo 07/15/2022
Supervised By :Jagrut Upadhyay 07/15/2022

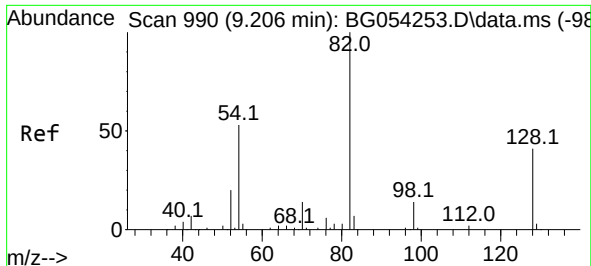


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.844 min Scan# 1269
Delta R.T. -0.008 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58



Tgt Ion:136 Resp: 78860
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 5.9 7.4 11.2#
68 2.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 11.180 ng
RT: 9.199 min Scan# 919
Delta R.T. -0.007 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Instrument :

BNA_G

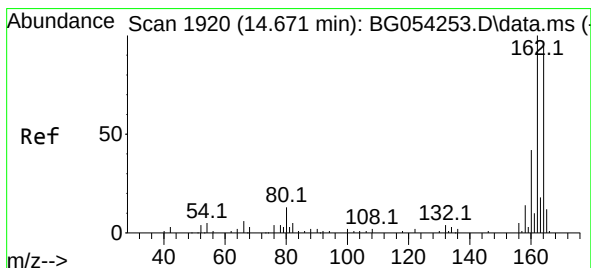
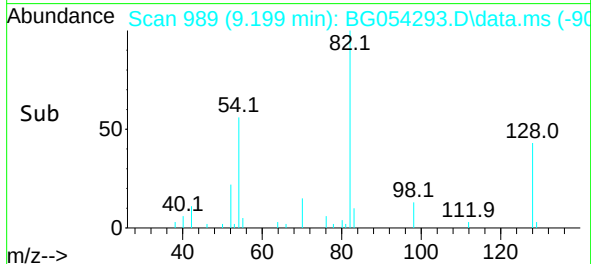
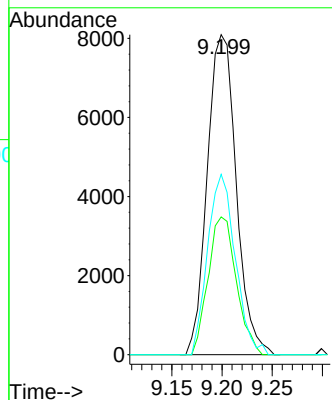
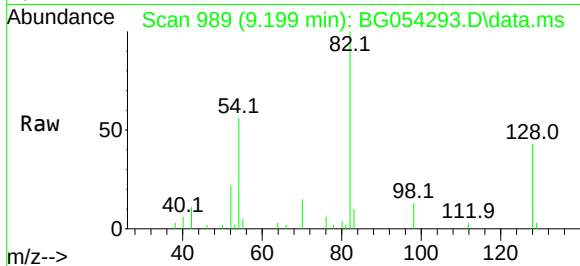
ClientSampleId :

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Tgt Ion: 82 Resp: 16240
Ion Ratio Lower Upper
82 100
128 43.0 27.9 41.9
54 56.4 41.2 61.8

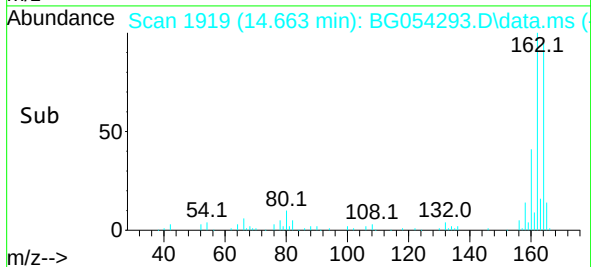
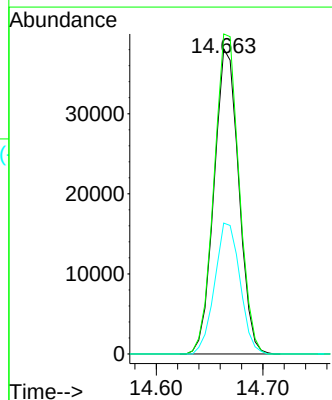
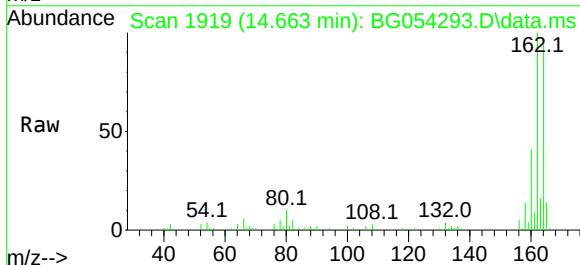
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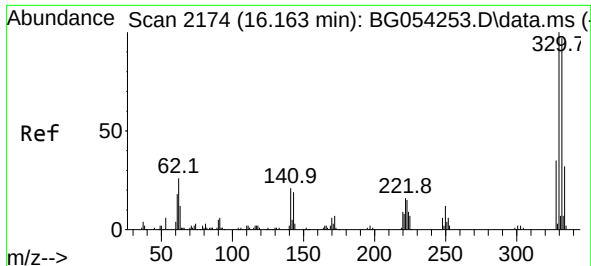
Reviewed By :Christian Giraldo 07/15/2022
Supervised By :Jagrut Upadhyay 07/15/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.663 min Scan# 1919
Delta R.T. -0.008 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Tgt Ion:164 Resp: 61304
Ion Ratio Lower Upper
164 100
162 104.9 82.3 123.5
160 42.9 34.2 51.2





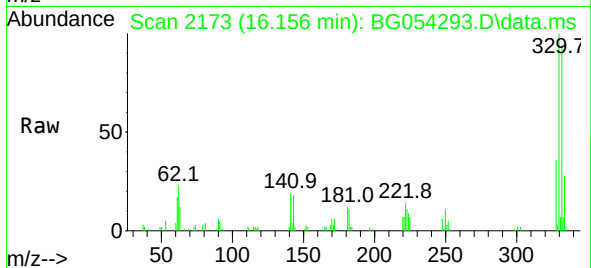
#42
2,4,6-Tribromophenol
Concen: 18.710 ng
RT: 16.156 min Scan# 2173
Delta R.T. -0.007 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Instrument :

BNA_G

ClientSampleId :

OR-2-071322

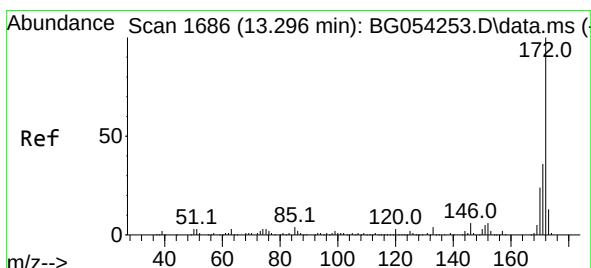
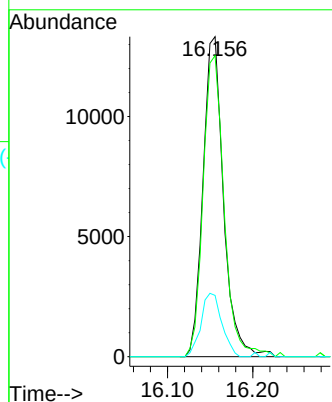
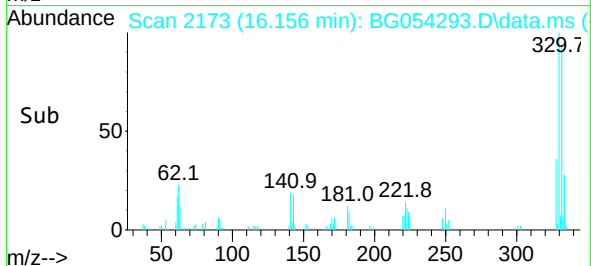


Tgt Ion:330 Resp: 22218
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.2 27.1 40.7

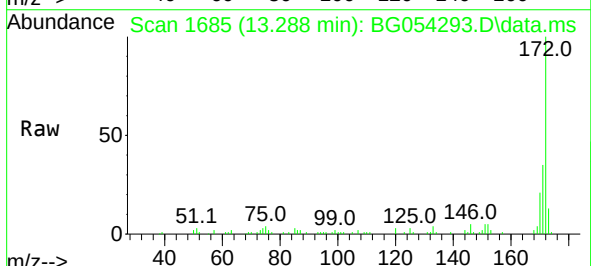
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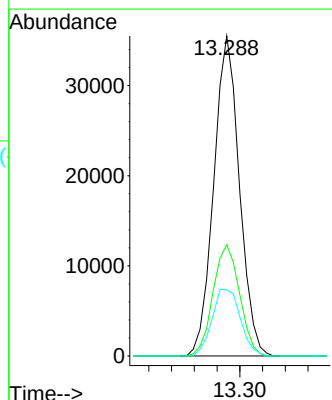
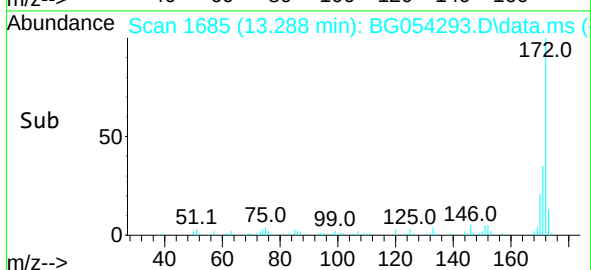
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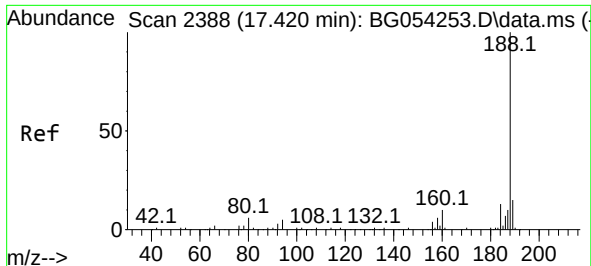


#45
2-Fluorobiphenyl
Concen: 13.317 ng
RT: 13.288 min Scan# 1685
Delta R.T. -0.007 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58



Tgt Ion:172 Resp: 55563
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 20.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.407 min Scan# 21
Delta R.T. -0.013 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Instrument :

BNA_G

ClientSampleId :

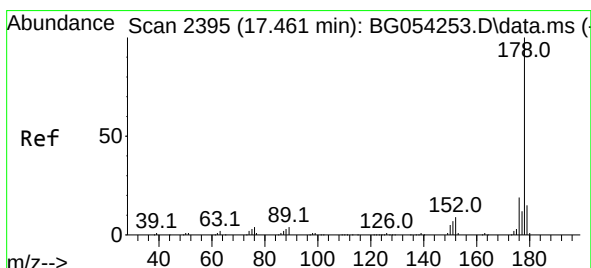
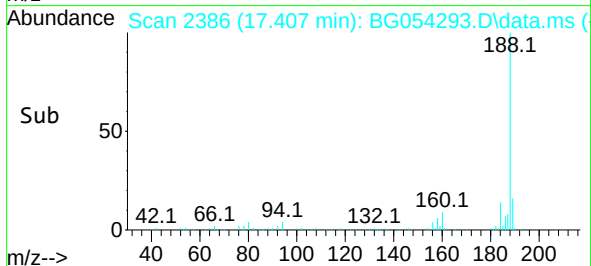
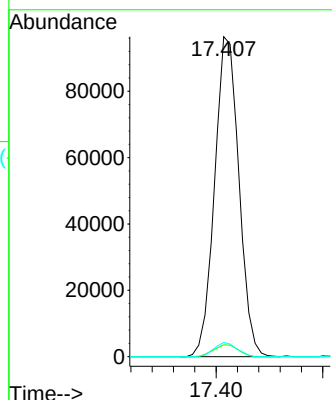
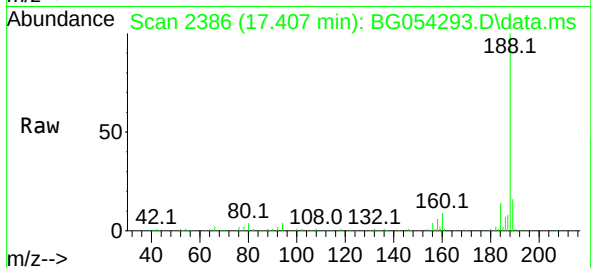
OR-2-071322

Tgt Ion:188 Resp: 15232
Ion Ratio Lower Upper
188 100
94 3.7 5.4 8.0
80 4.4 6.8 10.2

Manual Integrations

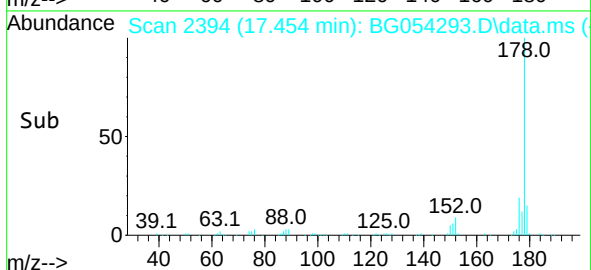
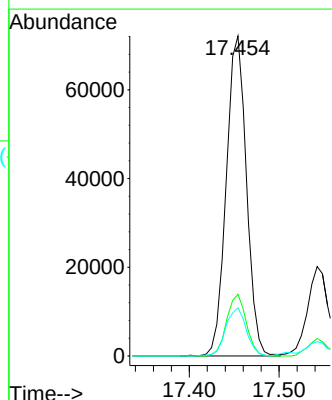
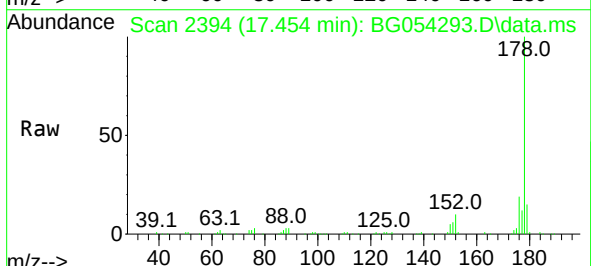
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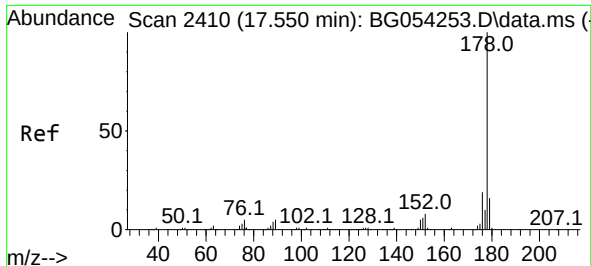
Reviewed By :Christian Giraldo 07/15/2022
Supervised By :Jagrut Upadhyay 07/15/2022



#71
Phenanthrene
Concen: 14.790 ng
RT: 17.454 min Scan# 2394
Delta R.T. -0.007 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Tgt Ion:178 Resp: 112695
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 15.1 12.1 18.1





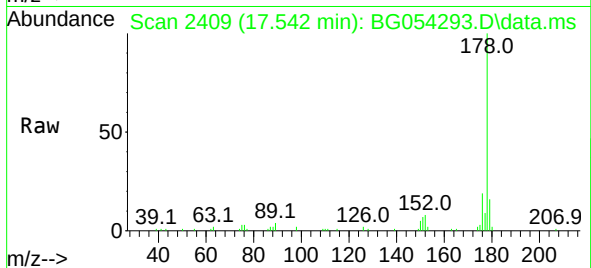
#72
 Anthracene
 Concen: 4.193 ng
 RT: 17.542 min Scan# 2410
 Delta R.T. -0.007 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

Instrument :

BNA_G

ClientSampleId :

OR-2-071322

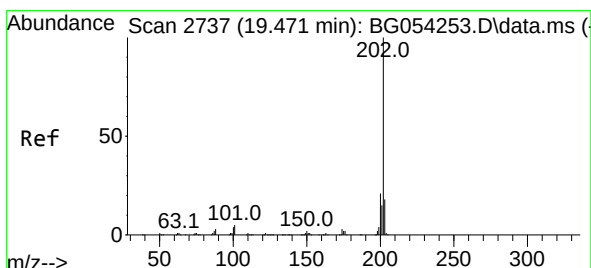
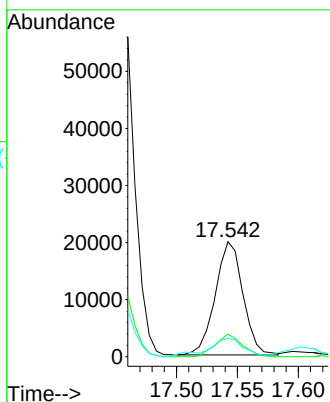
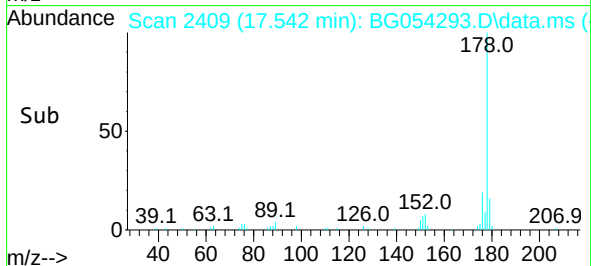


Tgt Ion:178 Resp: 31285
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.2 22.8
 179 16.0 13.0 19.4

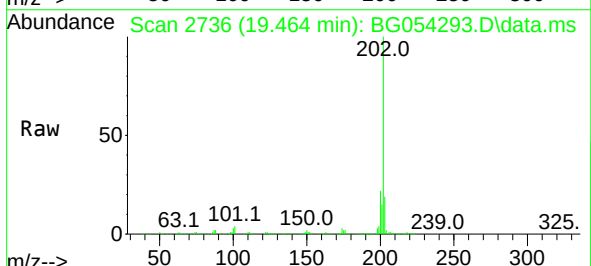
Manual Integrations

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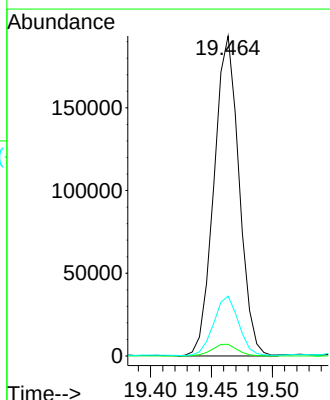
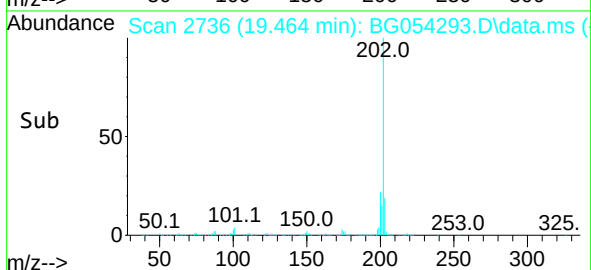
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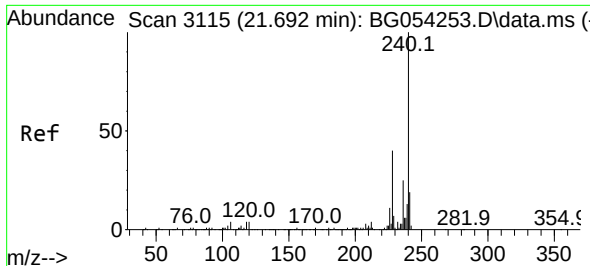


#75
 Fluoranthene
 Concen: 26.731 ng
 RT: 19.464 min Scan# 2736
 Delta R.T. -0.007 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58



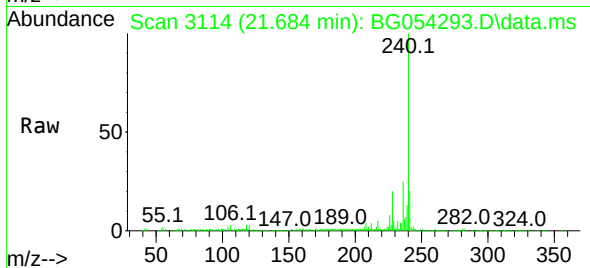
Tgt Ion:202 Resp: 276990
 Ion Ratio Lower Upper
 202 100
 101 3.7 0.0 26.9
 203 18.7 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.684 min Scan# 3115
Delta R.T. -0.008 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

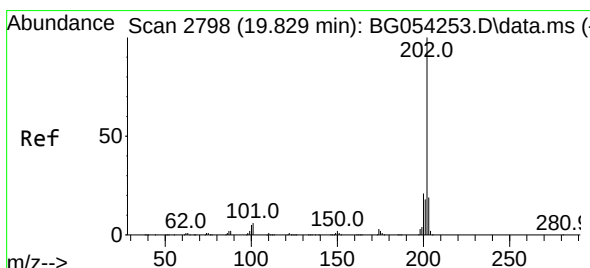
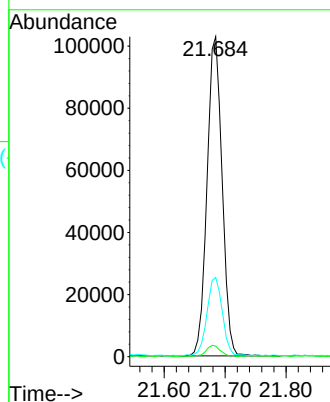
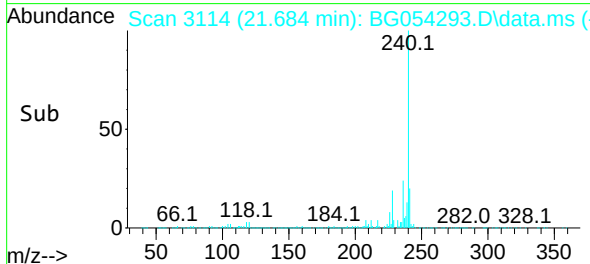
Instrument :
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ClientSampleId :
OR-2-071322



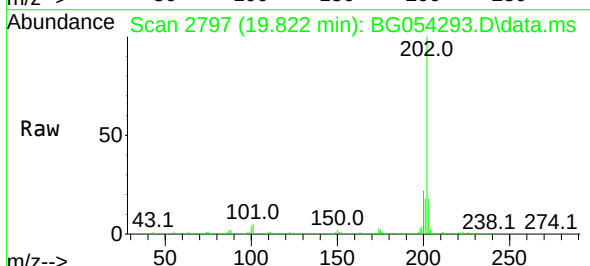
Tgt Ion:240 Resp: 176380
Ion Ratio Lower Upper
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120 3.3 4.6 7.0
236 24.8 20.2 30.4

Manual Integrations
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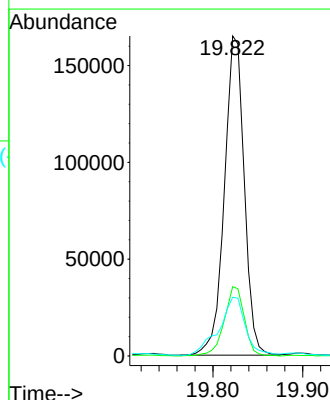
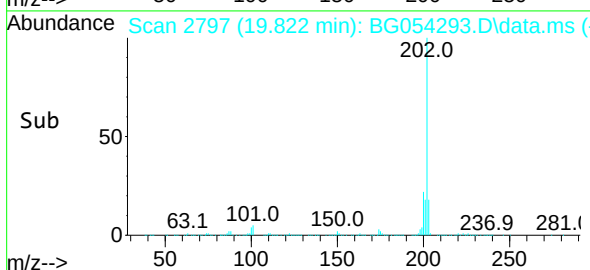
Reviewed By :Christian Giraldo 07/15/2022
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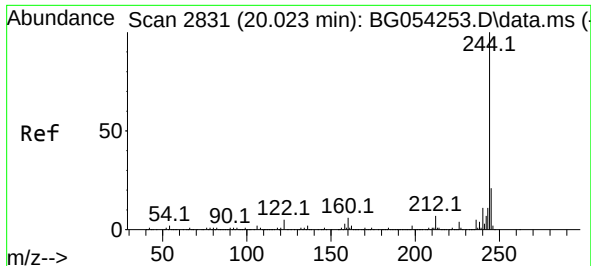


#78
Pyrene
Concen: 24.965 ng
RT: 19.822 min Scan# 2797
Delta R.T. -0.007 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58



Tgt Ion:202 Resp: 253418
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 18.4 14.6 21.8





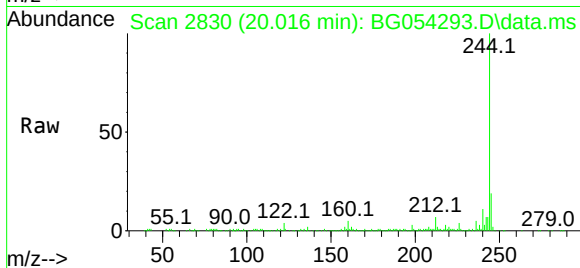
#79
 Terphenyl-d14
 Concen: 13.457 ng
 RT: 20.016 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

Instrument :

BNA_G

ClientSampleId :

OR-2-071322

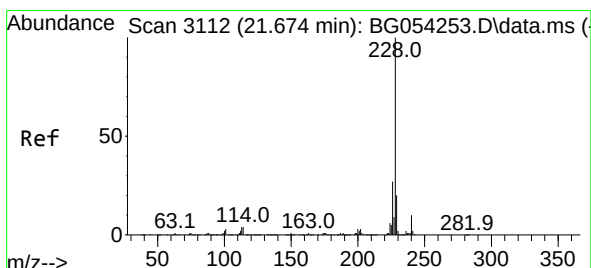
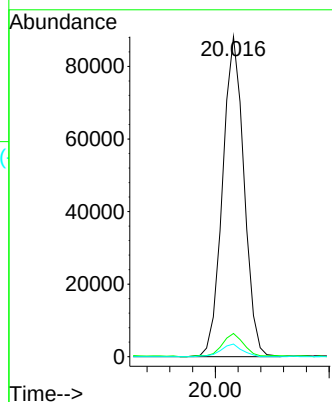
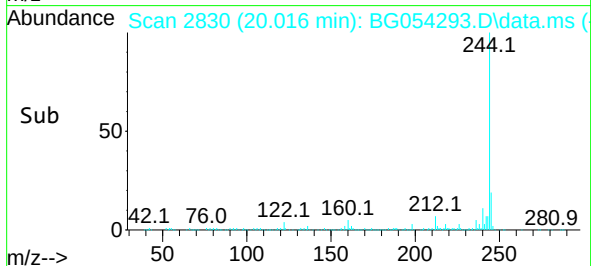


Tgt Ion:244 Resp: 115424
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 3.9 5.0 7.4

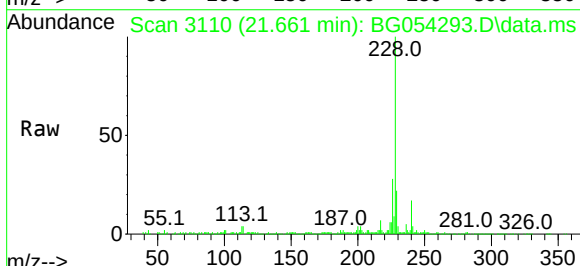
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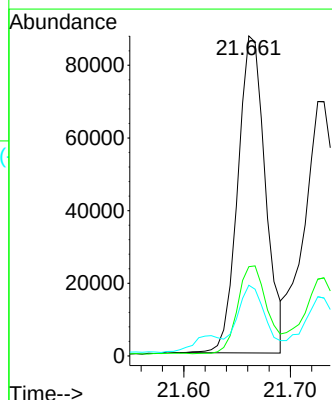
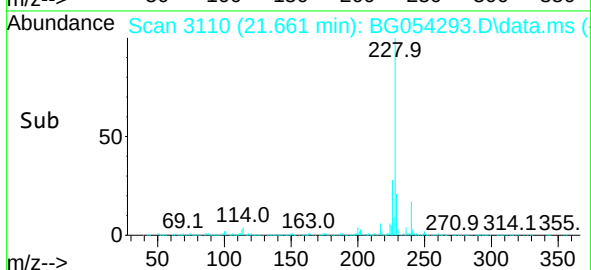
Reviewed By :Christian Giraldo 07/15/2022
 Supervised By :Jagrut Upadhyay 07/15/2022

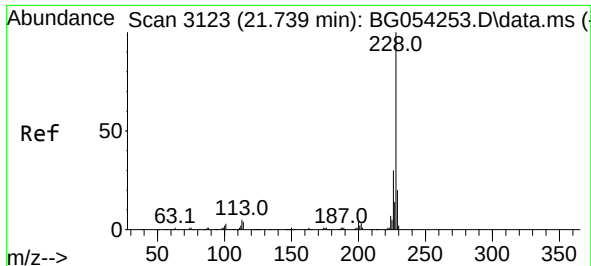


#81
 Benzo(a)anthracene
 Concen: 14.097 ng
 RT: 21.661 min Scan# 3110
 Delta R.T. -0.013 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58



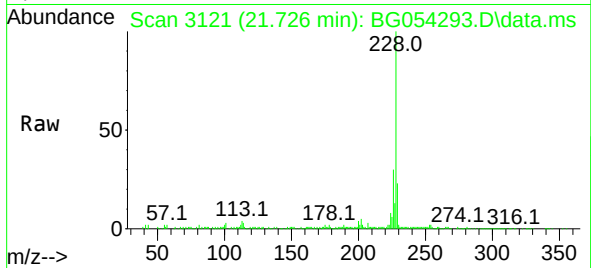
Tgt Ion:228 Resp: 157287
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 22.1 16.2 24.2





#83
Chrysene
Concen: 13.533 ng m
RT: 21.726 min Scan# 3123
Delta R.T. -0.013 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

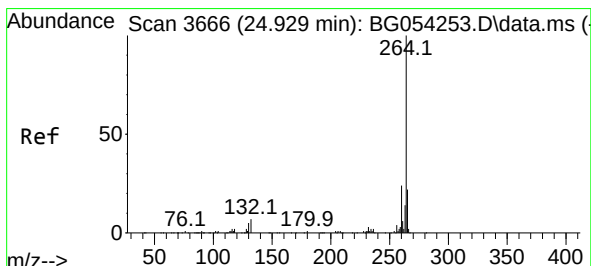
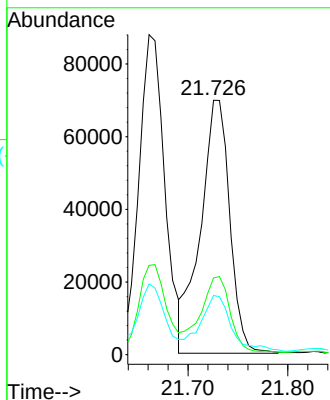
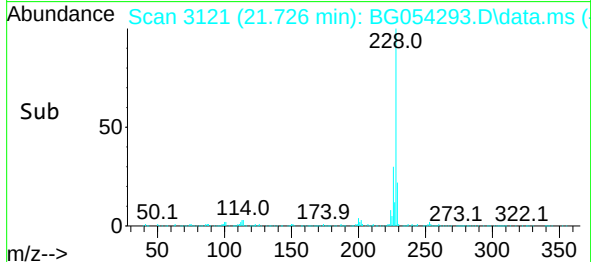
Instrument :
BNA_G
ClientSampleId :
OR-2-071322



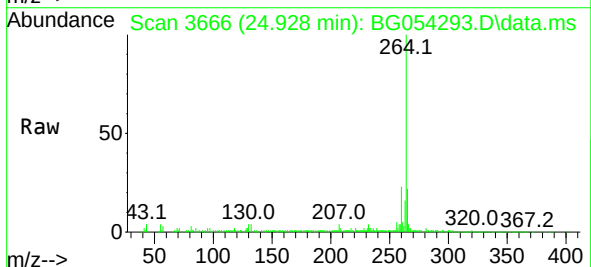
Tgt Ion:228 Resp: 14280
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 23.3 15.5 23.3

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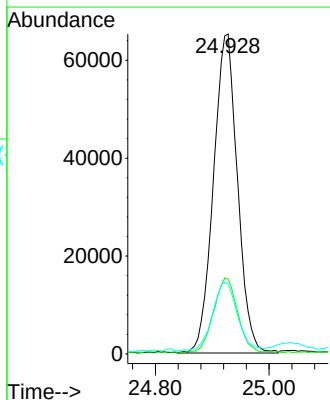
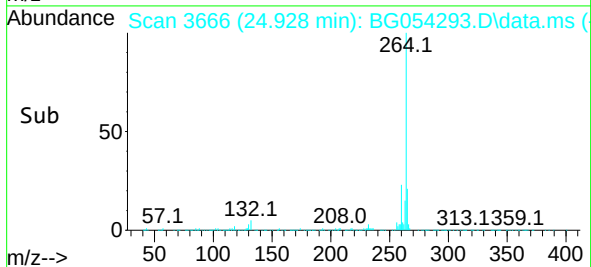
Reviewed By :Christian Giraldo 07/15/2022
Supervised By :Jagrut Upadhyay 07/15/2022

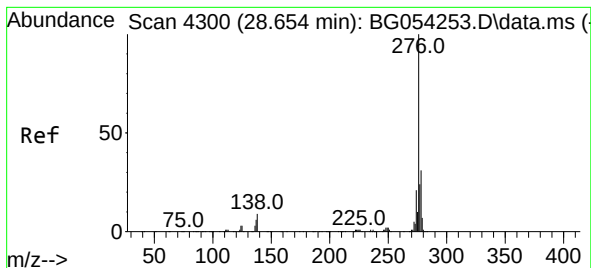


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.928 min Scan# 3666
Delta R.T. -0.001 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58



Tgt Ion:264 Resp: 191270
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.592 ng

RT: 28.629 min Scan# 41

Delta R.T. -0.025 min

Lab File: BG054293.D

Acq: 14 Jul 2022 23:58

Instrument :

BNA_G

ClientSampleId :

OR-2-071322

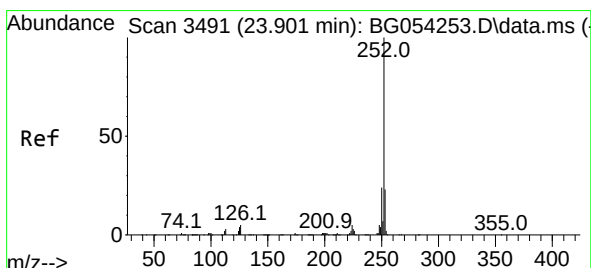
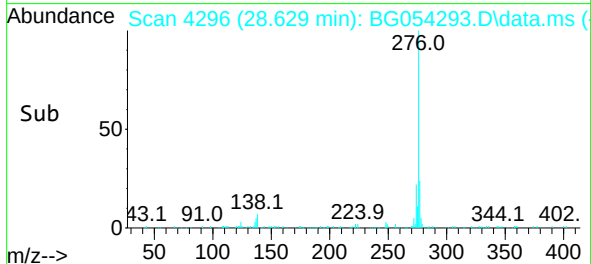
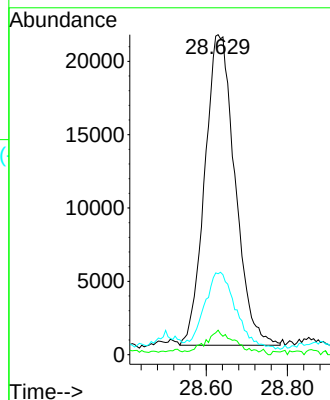
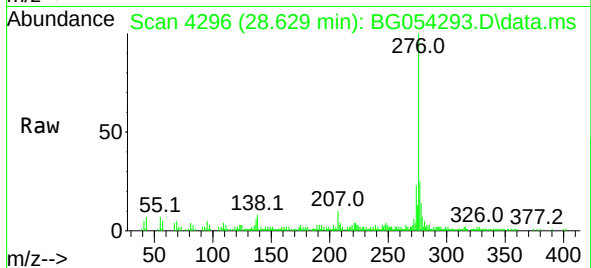
Tgt Ion:276 Resp: 10924
 Ion Ratio Lower Upper
 276 100
 138 5.4 5.0 7.4
 277 26.3 20.3 30.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/15/2022



#88

Benzo(b)fluoranthene

Concen: 18.246 ng

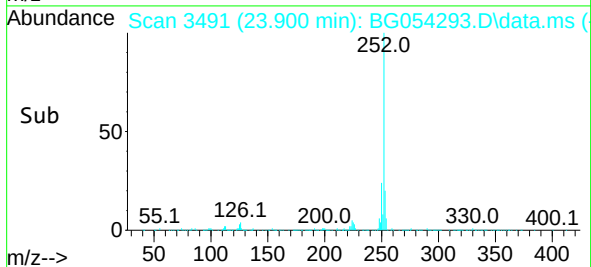
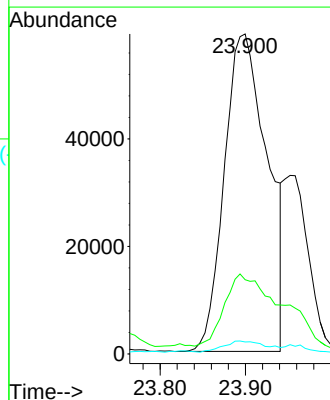
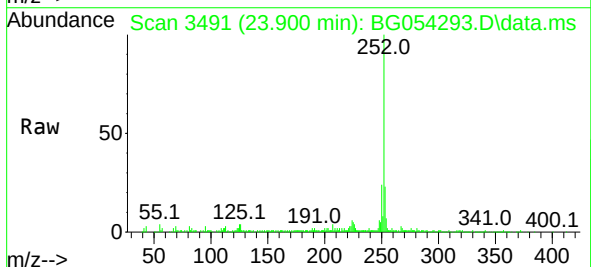
RT: 23.900 min Scan# 3491

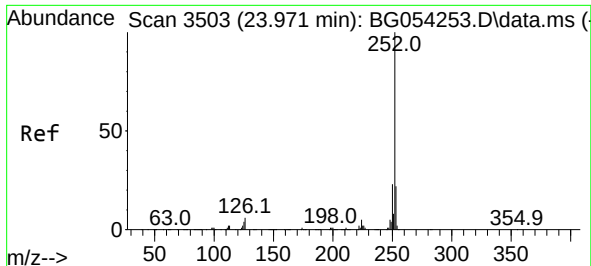
Delta R.T. -0.001 min

Lab File: BG054293.D

Acq: 14 Jul 2022 23:58

Tgt Ion:252 Resp: 206945
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.0 27.0
 125 3.8 4.6 6.8#





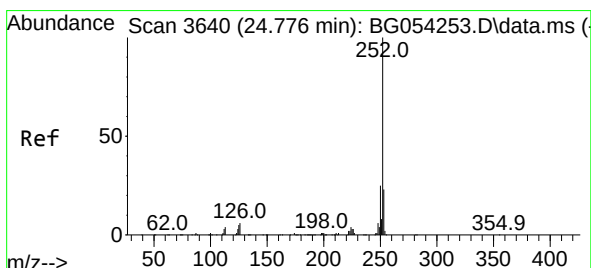
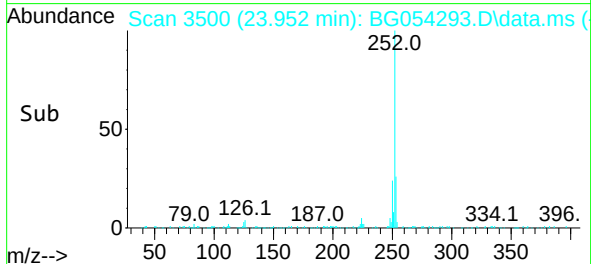
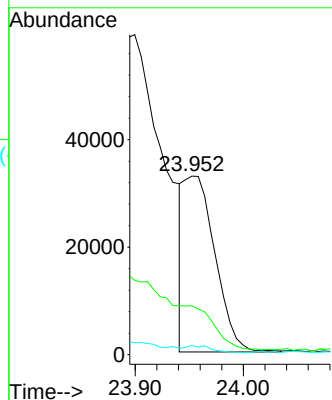
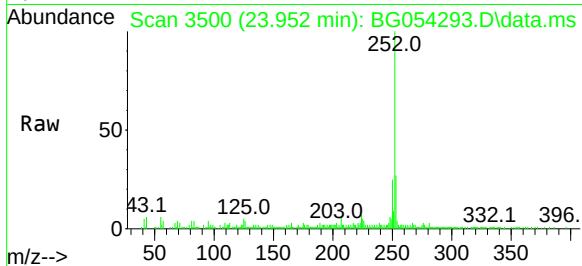
#89
Benzo(k)fluoranthene
Concen: 5.835 ng m
RT: 23.952 min Scan# 31
Delta R.T. -0.019 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Tgt Ion:252 Resp: 6565
Ion Ratio Lower Upper
252 100
253 27.4 18.4 27.6
125 5.2 4.8 7.2

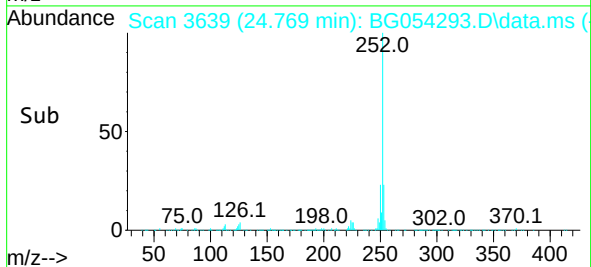
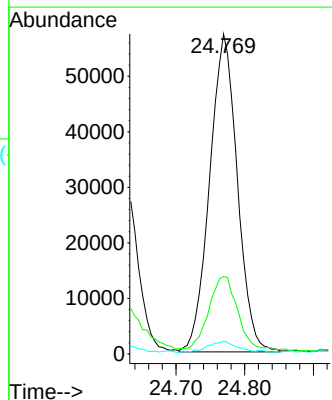
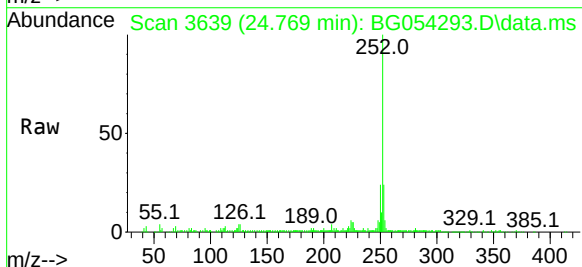
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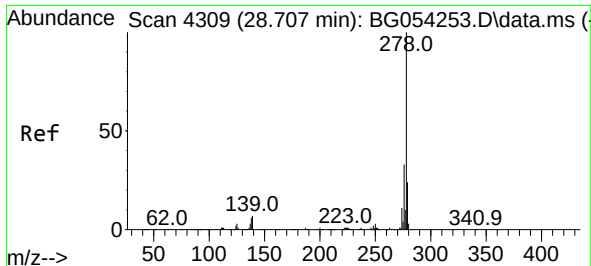
Reviewed By :Christian Giraldo 07/15/2022
Supervised By :Jagrut Upadhyay 07/15/2022



#90
Benzo(a)pyrene
Concen: 16.531 ng m
RT: 24.769 min Scan# 3639
Delta R.T. -0.007 min
Lab File: BG054293.D
Acq: 14 Jul 2022 23:58

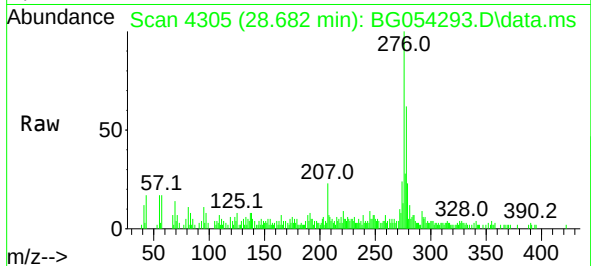
Tgt Ion:252 Resp: 160424
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 4.1 4.3 6.5#





#91
 Dibenzo(a,h)anthracene
 Concen: 2.267 ng
 RT: 28.682 min Scan# 41
 Delta R.T. -0.025 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58

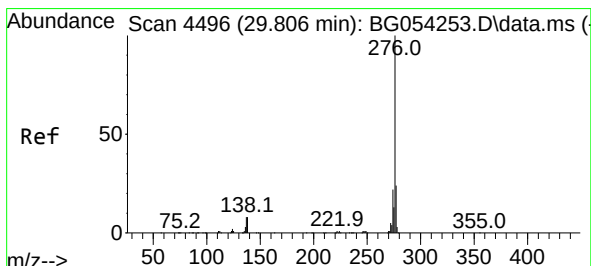
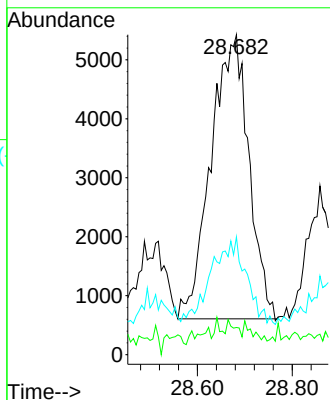
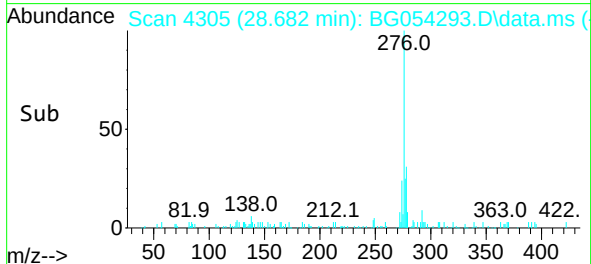
Instrument :
 BNA_G
 ClientSampleId :
 OR-2-071322



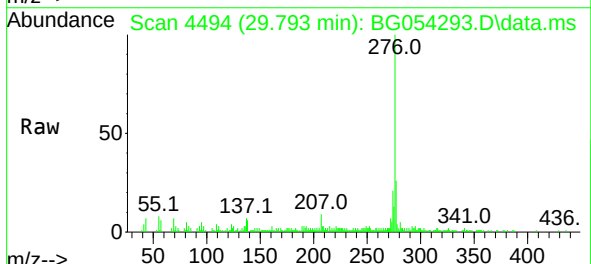
Tgt Ion: 278 Resp: 26718
 Ion Ratio Lower Upper
 278 100
 139 8.5 7.2 10.8
 279 36.8 18.6 27.8

Manual Integrations
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Reviewed By : Christian Giraldo 07/15/2022
 Supervised By : Jagrut Upadhyay 07/15/2022



#92
 Benzo(g,h,i)perylene
 Concen: 9.515 ng
 RT: 29.793 min Scan# 4494
 Delta R.T. -0.013 min
 Lab File: BG054293.D
 Acq: 14 Jul 2022 23:58



Tgt Ion: 276 Resp: 111869
 Ion Ratio Lower Upper
 276 100
 277 25.7 17.3 25.9
 138 6.1 9.6 14.4

