

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053297.D
 Acq On : 23 Apr 2022 17:38
 Operator : CG/JU
 Sample : N2525-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-04-042122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/25/2022
 Supervised By : Jagrut Upadhyay 04/25/2022

Quant Time: Apr 24 02:49:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.107	152	37682	20.000	ng	0.00
21) Naphthalene-d8	10.921	136	150726	20.000	ng	0.00
39) Acenaphthene-d10	14.733	164	102616	20.000	ng	0.00
64) Phenanthrene-d10	17.477	188	214001	20.000	ng	0.00
76) Chrysene-d12	21.759	240	189672	20.000	ng	0.00
86) Perylene-d12	25.061	264	197985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	199525	90.765	ng	0.00
7) Phenol-d6	7.273	99	293044	86.446	ng	0.00
23) Nitrobenzene-d5	9.270	82	209195	56.354	ng	0.00
42) 2,4,6-Tribromophenol	16.220	330	129757	79.480	ng	0.00
45) 2-Fluorobiphenyl	13.359	172	461422	62.004	ng	0.00
79) Terphenyl-d14	20.079	244	644965	57.430	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.518	178	26001	2.224	ng	97
75) Fluoranthene	19.527	202	87683	5.852	ng	98
78) Pyrene	19.885	202	90222	6.679	ng	99
81) Benzo(a)anthracene	21.741	228	51808	3.995	ng	97
83) Chrysene	21.806	228	48638	4.041	ng	95
87) Indeno(1,2,3-cd)pyrene	28.820	276	50964	3.465	ng	# 75
88) Benzo(b)fluoranthene	24.009	252	86027	6.887	ng	99
89) Benzo(k)fluoranthene	24.068	252	27648m	2.252	ng	
90) Benzo(a)pyrene	24.902	252	66292	6.229	ng	99
92) Benzo(g,h,i)perylene	30.013	276	55627m	4.662	ng	

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

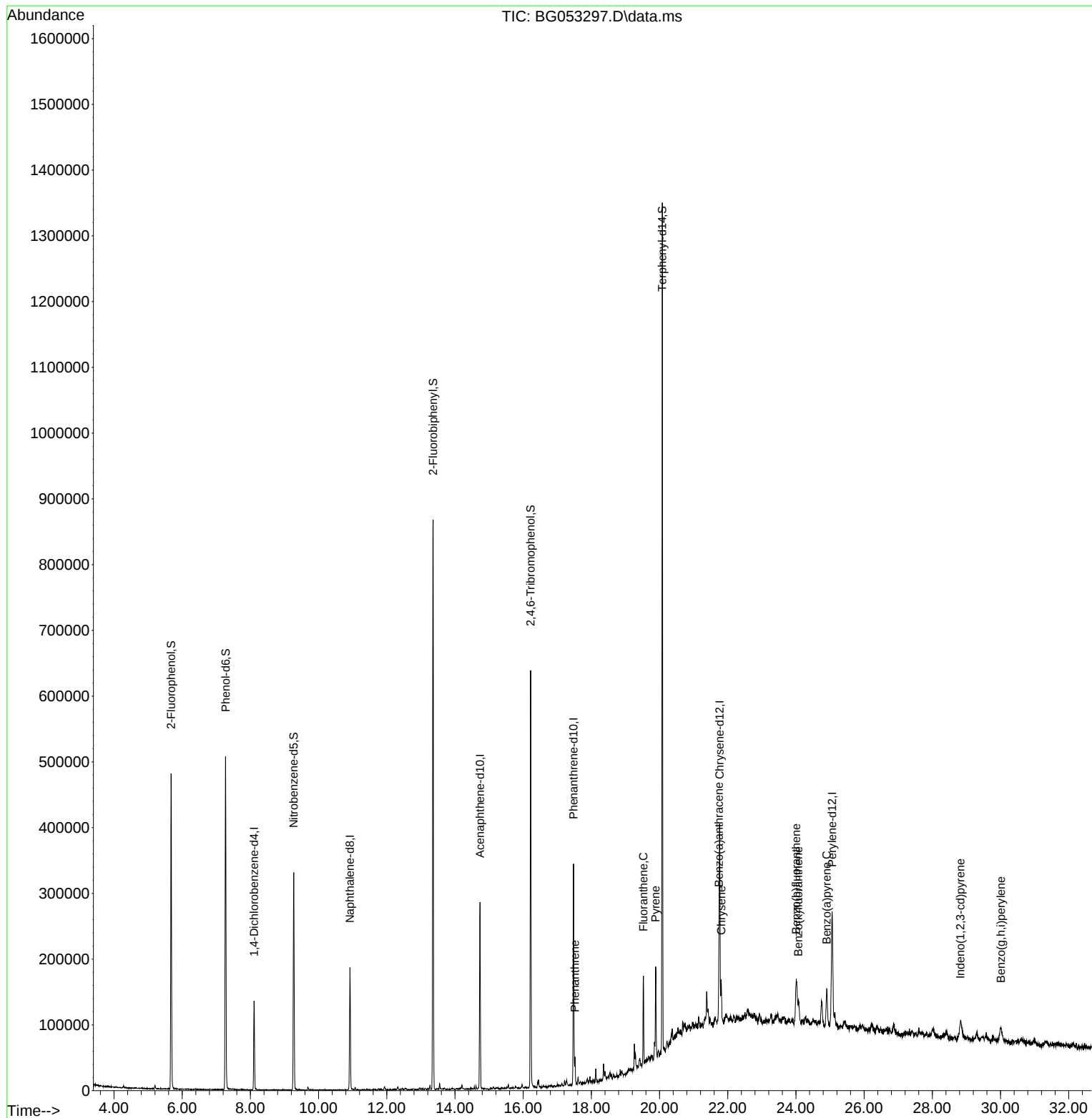
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053297.D
Acq On : 23 Apr 2022 17:38
Operator : CG/JU
Sample : N2525-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

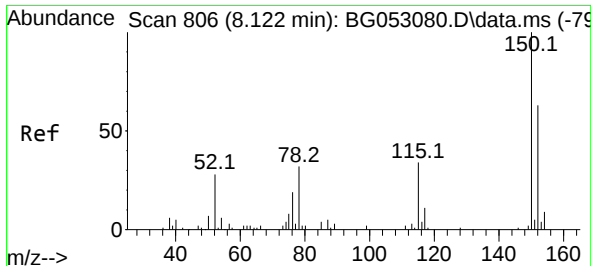
Instrument :
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ClientSampleId :
HR-04-042122

Quant Time: Apr 24 02:49:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 01:13:30 2022
Response via : Initial Calibration

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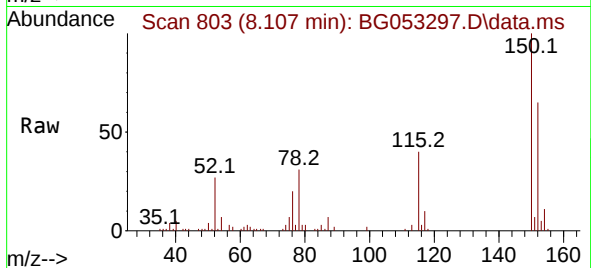
Reviewed By : Christian Giraldo 04/25/2022
Supervised By : Jagrut Upadhyay 04/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.107 min Scan# 806
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

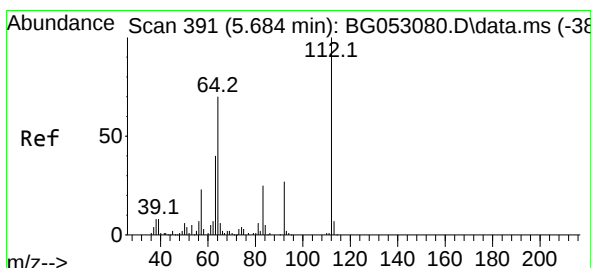
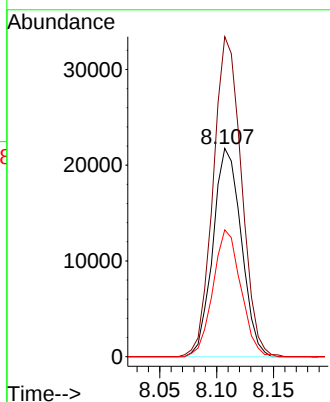
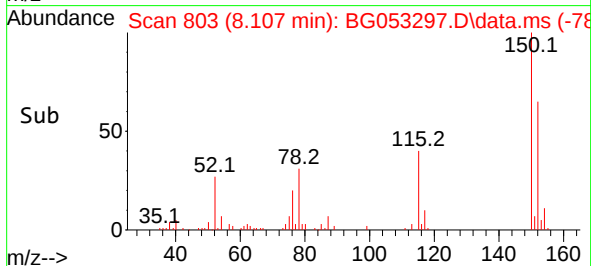
Instrument :
BNA_G
ClientSampleId :
HR-04-042122



Tgt Ion:152 Resp: 37682
Ion Ratio Lower Upper
152 100
150 153.7 114.6 172.0
115 60.9 45.9 68.9

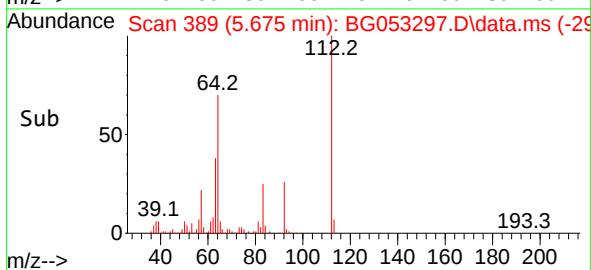
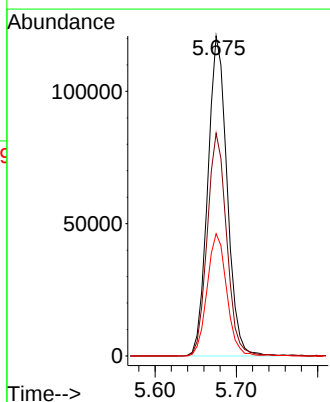
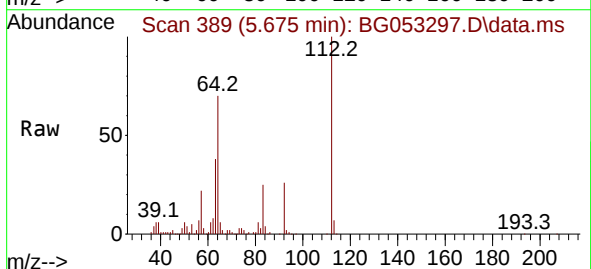
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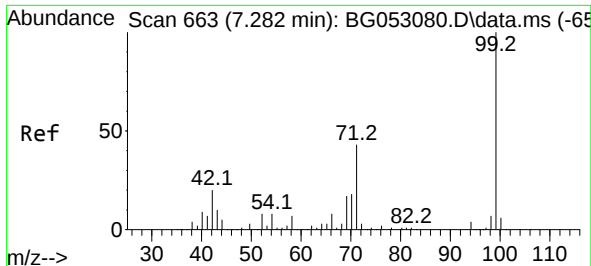
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#5
2-Fluorophenol
Concen: 90.765 ng
RT: 5.675 min Scan# 389
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

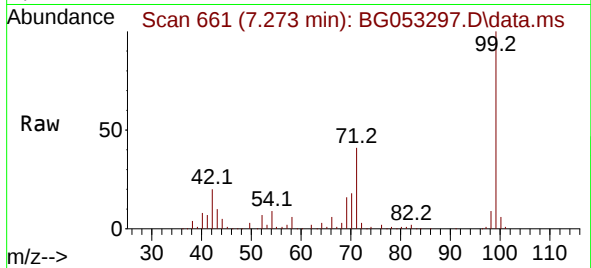
Tgt Ion:112 Resp: 199525
Ion Ratio Lower Upper
112 100
64 69.6 48.0 72.0
63 38.2 26.5 39.7





#7
Phenol-d6
Concen: 86.446 ng
RT: 7.273 min Scan# 60
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

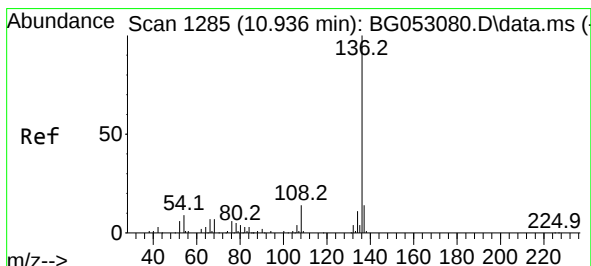
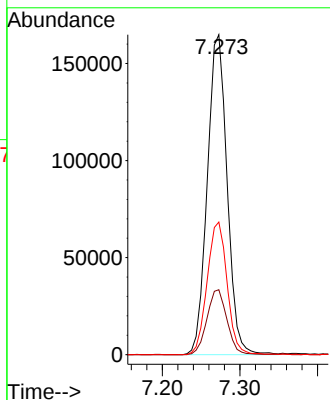
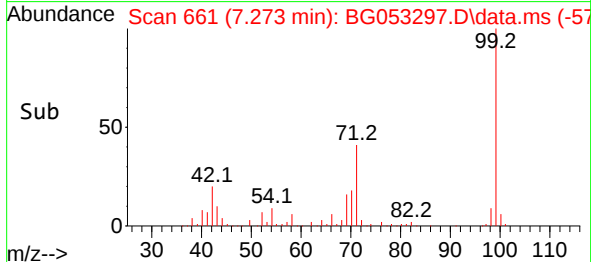
Instrument :
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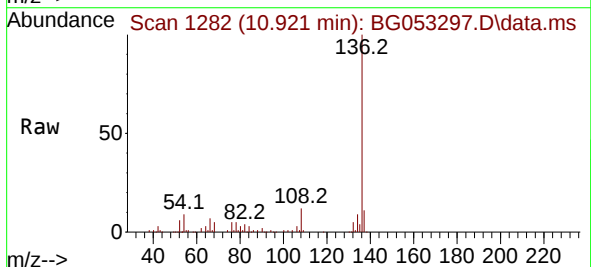
Tgt Ion: 99 Resp: 293044
Ion Ratio Lower Upper
99 100
42 20.3 14.7 22.1
71 41.5 29.2 43.8

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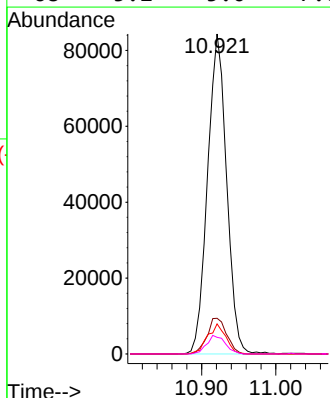
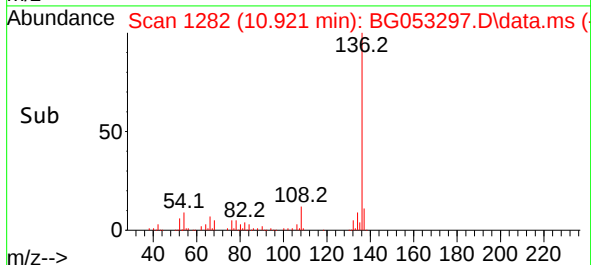
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

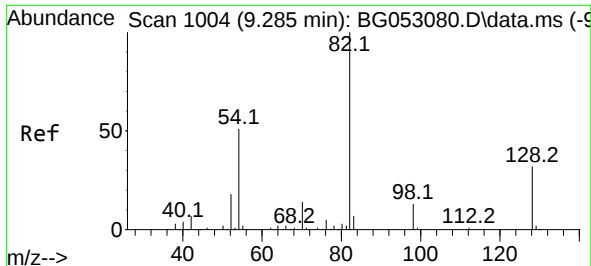


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.921 min Scan# 1282
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38



Tgt Ion:136 Resp: 150726
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.2
54 9.4 6.4 9.6
68 5.2 5.0 7.6





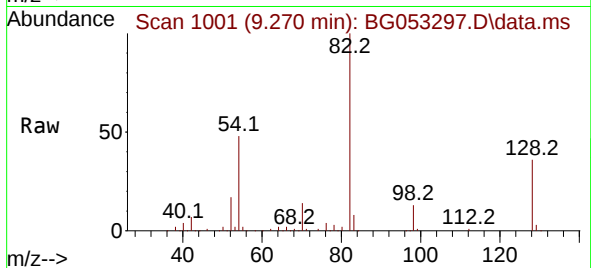
#23
Nitrobenzene-d5
Concen: 56.354 ng
RT: 9.270 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Instrument :

BNA_G

ClientSampleId :

HR-04-042122



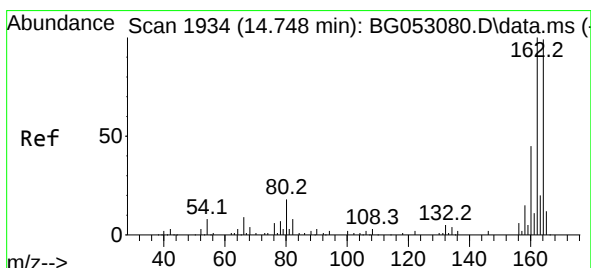
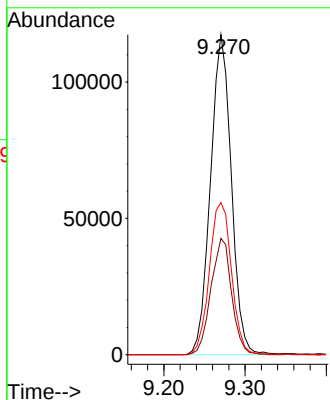
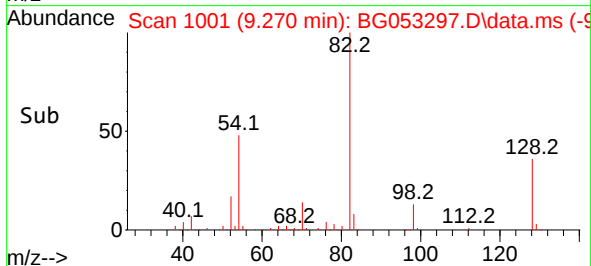
Tgt Ion: 82 Resp: 20919
Ion Ratio Lower Upper
82 100
128 36.4 31.3 46.9
54 47.6 37.8 56.8

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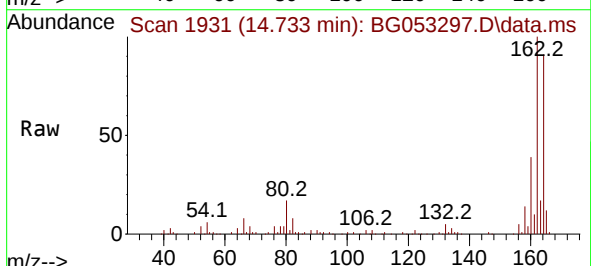
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Reviewed By :Christian Giraldo 04/25/2022

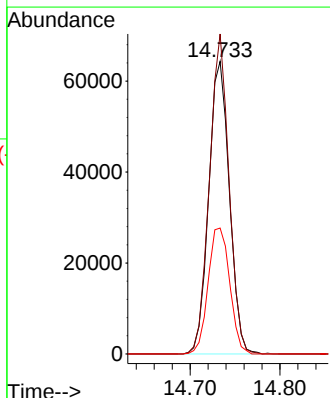
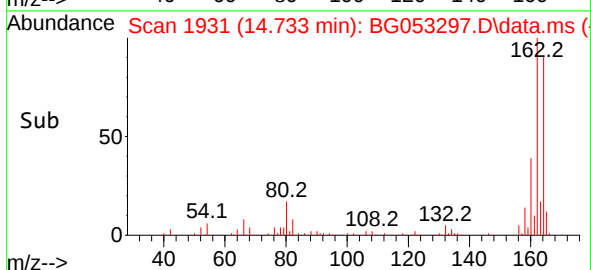
Supervised By :Jagrut Upadhyay 04/25/2022

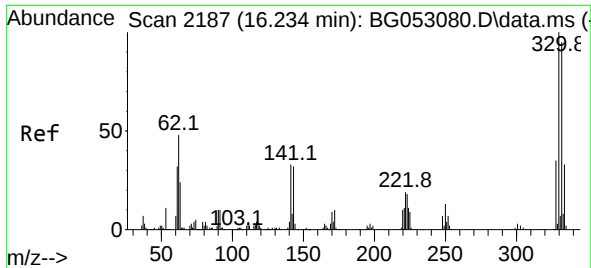


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.733 min Scan# 1931
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38



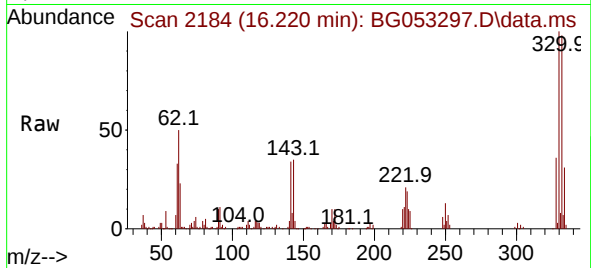
Tgt Ion:164 Resp: 102616
Ion Ratio Lower Upper
164 100
162 109.4 80.0 120.0
160 43.1 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 79.480 ng
RT: 16.220 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

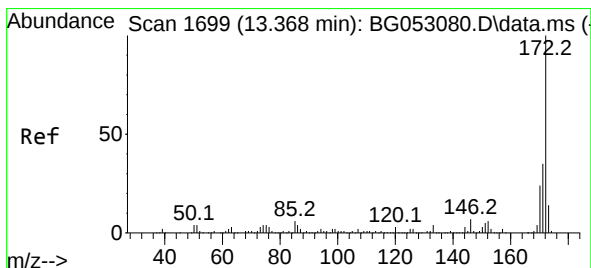
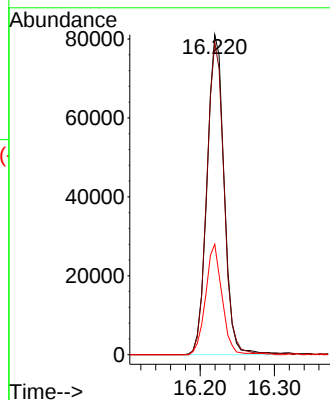
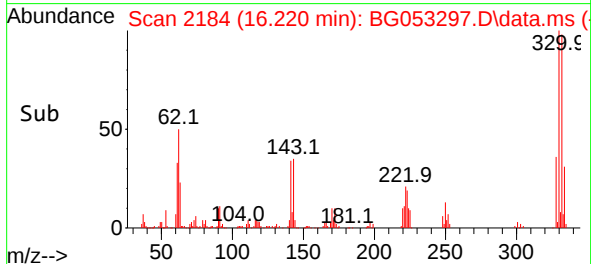
Instrument :
BNA_G
ClientSampleId :
HR-04-042122



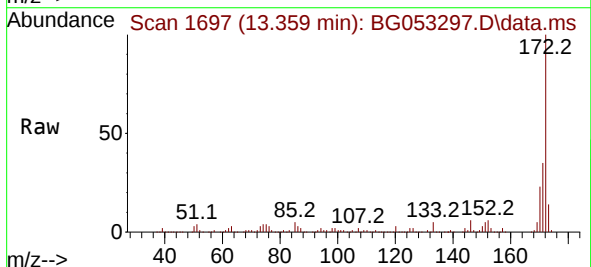
Tgt Ion:330 Resp: 12975
Ion Ratio Lower Upper
330 100
332 97.6 75.8 113.6
141 33.4 24.6 36.8

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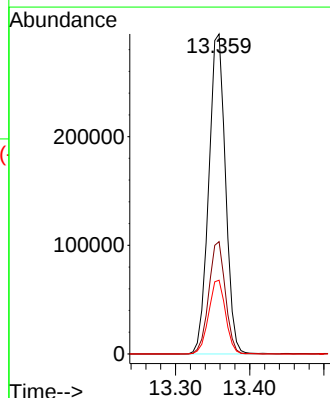
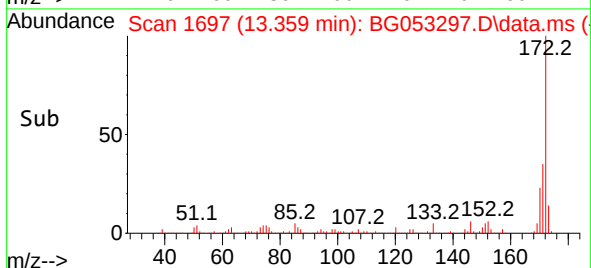
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

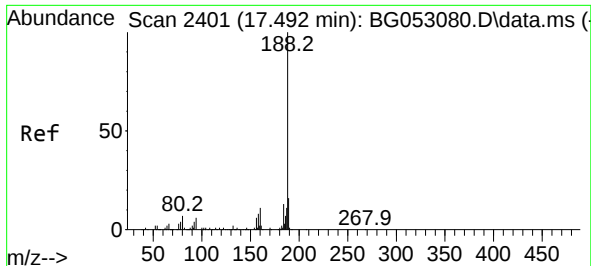


#45
2-Fluorobiphenyl
Concen: 62.004 ng
RT: 13.359 min Scan# 1697
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38



Tgt Ion:172 Resp: 461422
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.0 18.0 27.0





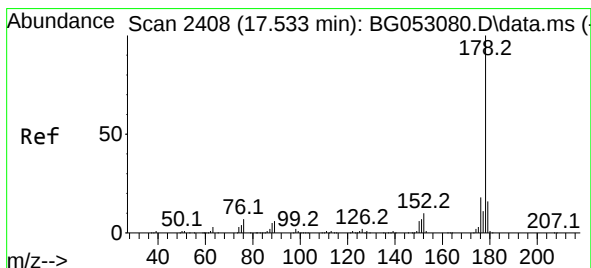
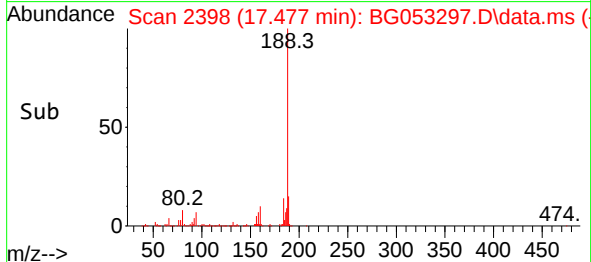
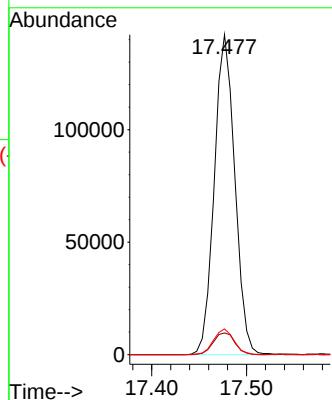
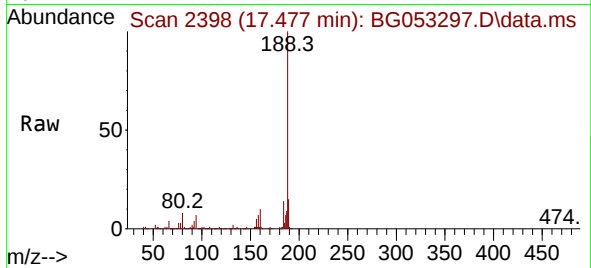
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.477 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Instrument :
BNA_G
ClientSampleId :
HR-04-042122

Tgt Ion:188 Resp: 21400
Ion Ratio Lower Upper
188 100
94 6.8 5.7 8.5
80 8.1 7.2 10.8

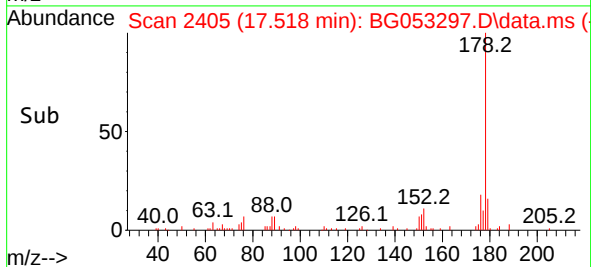
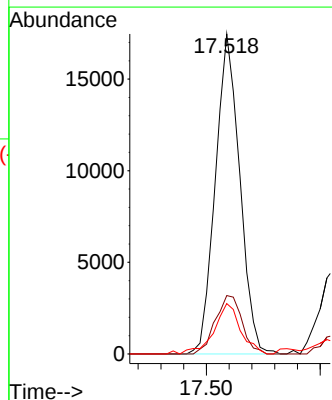
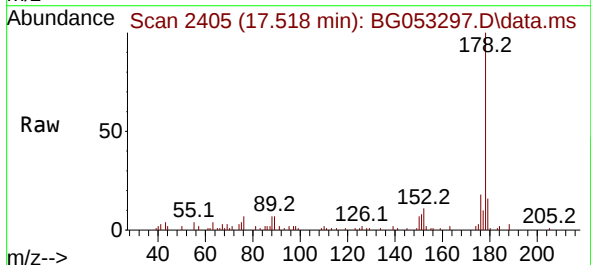
Manual Integrations
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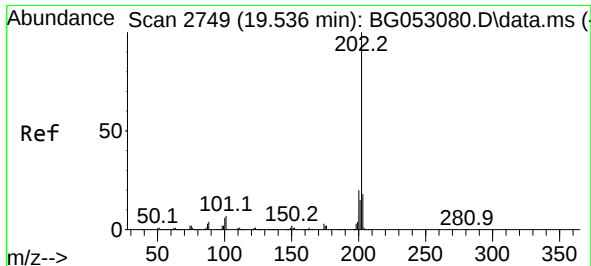
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#71
Phenanthrene
Concen: 2.224 ng
RT: 17.518 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:178 Resp: 26001
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 15.7 13.4 20.2





#75
Fluoranthene
Concen: 5.852 ng
RT: 19.527 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Instrument :

BNA_G

ClientSampleId :

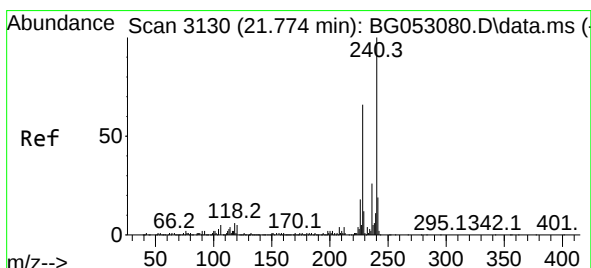
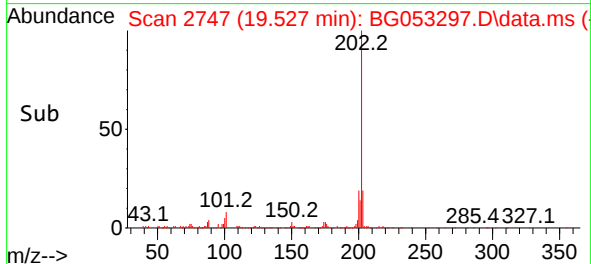
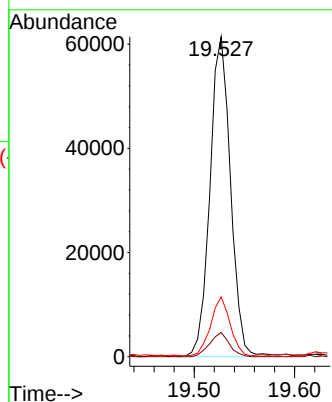
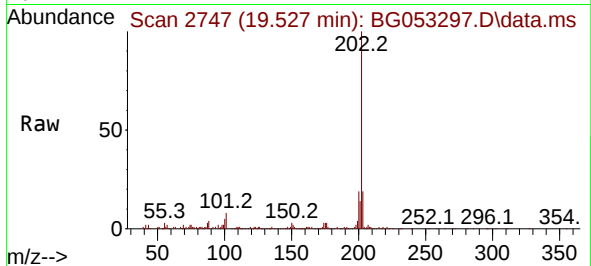
HR-04-042122

Tgt Ion:202 Resp: 8768
Ion Ratio Lower Upper
202 100
101 7.6 0.0 27.3
203 18.7 0.0 37.7

Manual Integrations

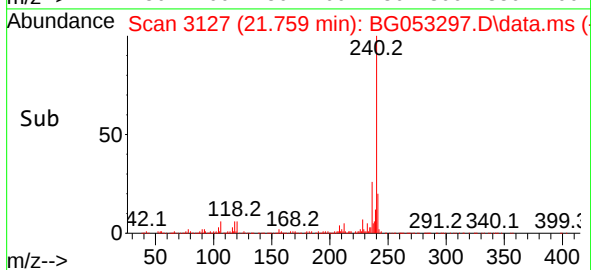
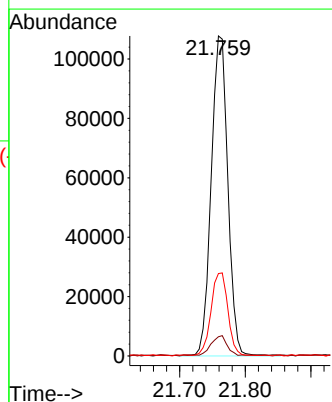
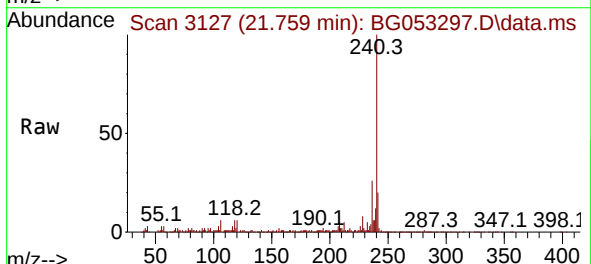
APPROVED

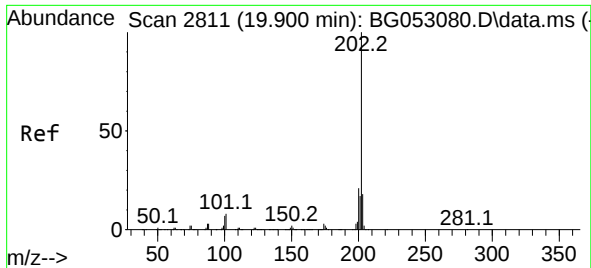
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.759 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

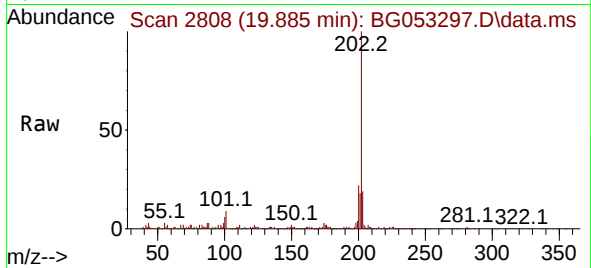
Tgt Ion:240 Resp: 189672
Ion Ratio Lower Upper
240 100
120 6.0 5.4 8.0
236 25.8 19.8 29.6





#78
Pyrene
Concen: 6.679 ng
RT: 19.885 min Scan# 2808
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

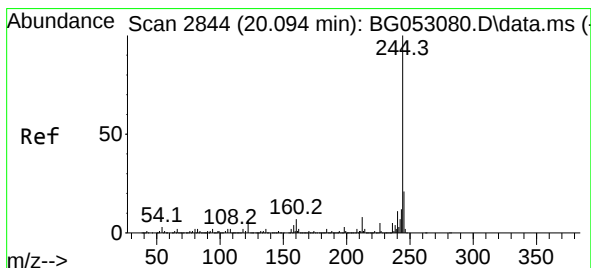
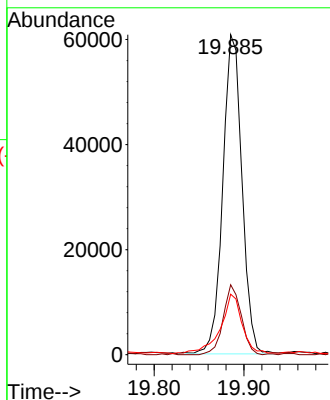
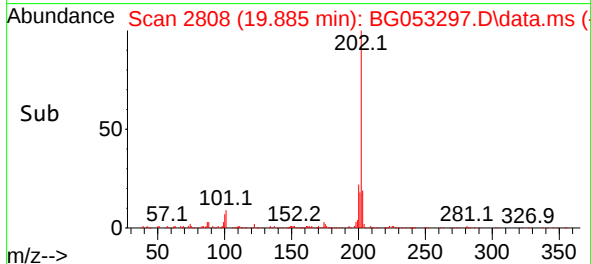
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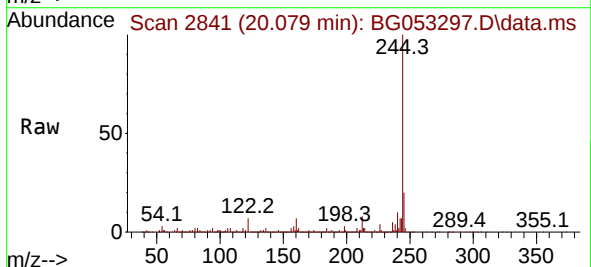
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Ion Ratio Lower Upper
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200 21.8 17.0 25.6
203 18.9 15.0 22.6

Manual Integrations
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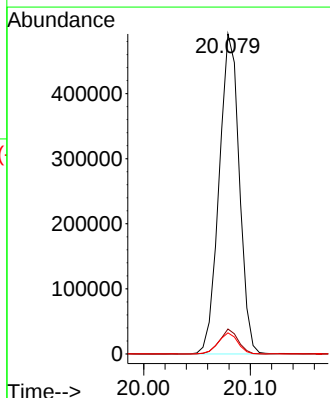
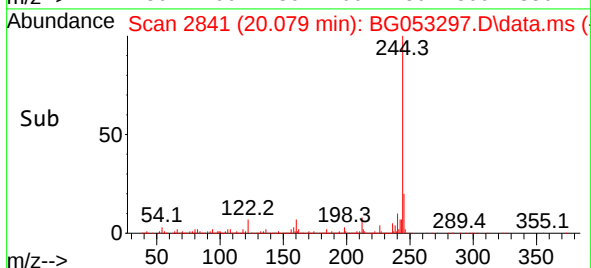
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

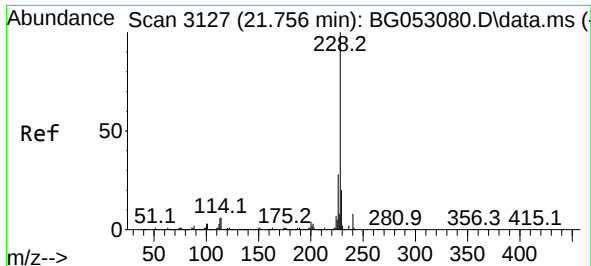


#79
Terphenyl-d14
Concen: 57.430 ng
RT: 20.079 min Scan# 2841
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38



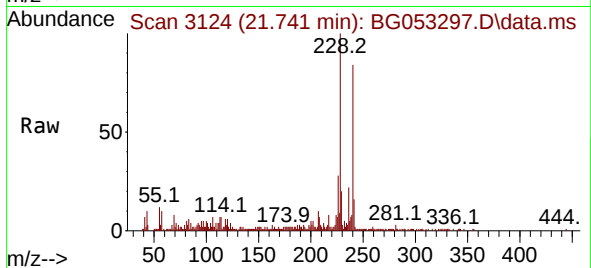
Tgt Ion:244 Resp: 644965
Ion Ratio Lower Upper
244 100
212 7.8 5.4 8.2
122 6.6 5.8 8.6





#81
Benzo(a)anthracene
Concen: 3.995 ng
RT: 21.741 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

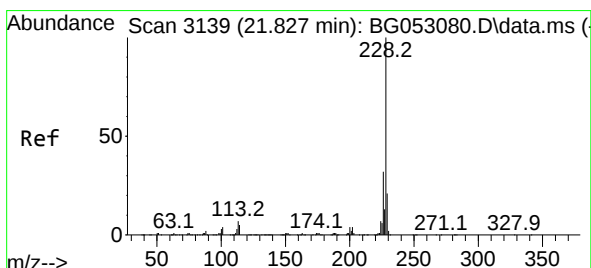
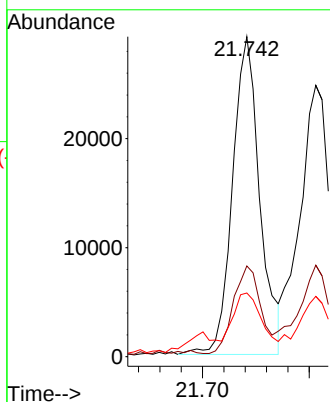
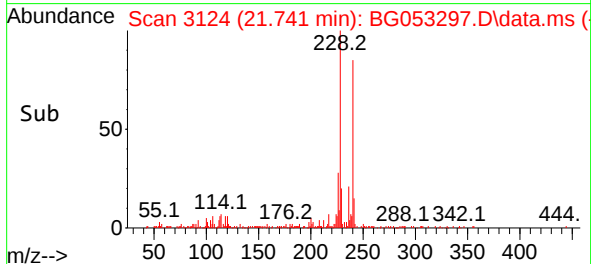
Instrument :
BNA_G
ClientSampleId :
HR-04-042122



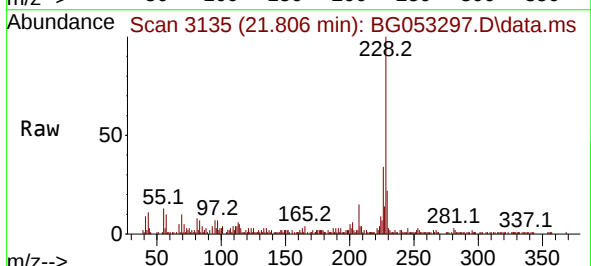
Tgt Ion:228 Resp: 51808
Ion Ratio Lower Upper
228 100
226 28.4 21.4 32.0
229 19.9 16.7 25.1

Manual Integrations
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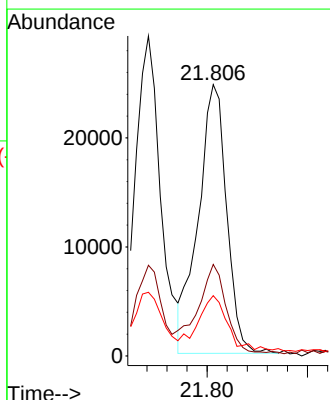
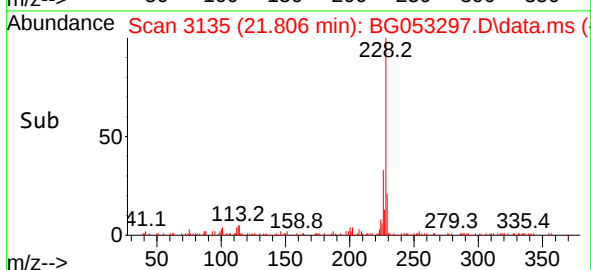
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

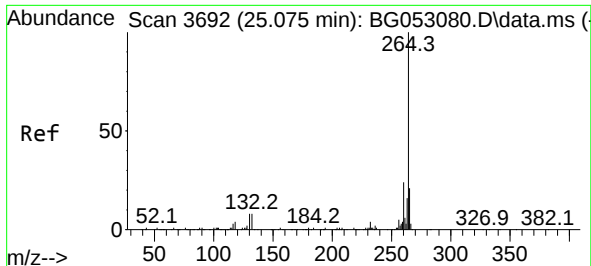


#83
Chrysene
Concen: 4.041 ng
RT: 21.806 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38



Tgt Ion:228 Resp: 48638
Ion Ratio Lower Upper
228 100
226 33.7 24.2 36.4
229 22.2 16.3 24.5





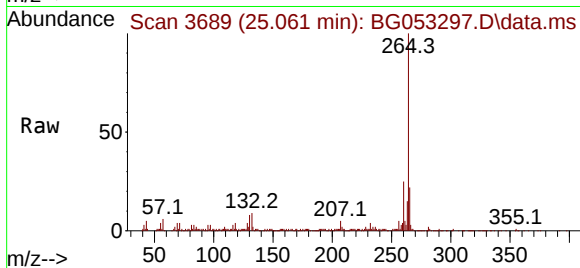
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.061 min Scan# 30
Delta R.T. -0.001 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Instrument :

BNA_G

ClientSampleId :

HR-04-042122

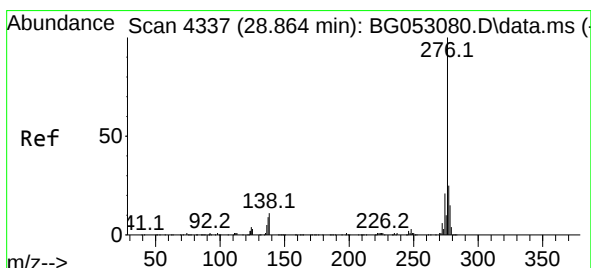
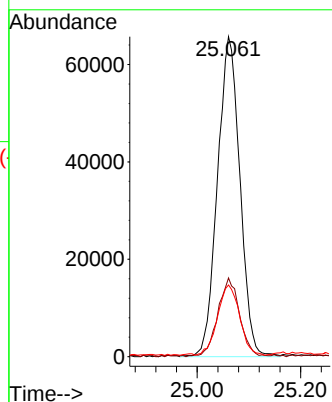
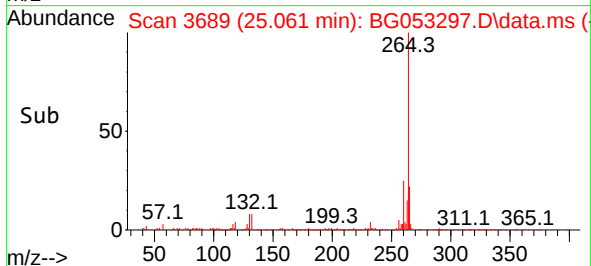


Tgt Ion:264 Resp: 19798
Ion Ratio Lower Upper
264 100
260 24.6 18.2 27.2
265 22.4 15.1 22.7

Manual Integrations

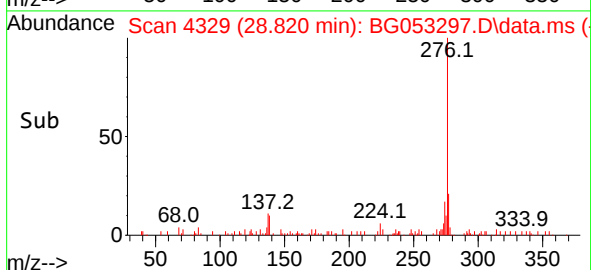
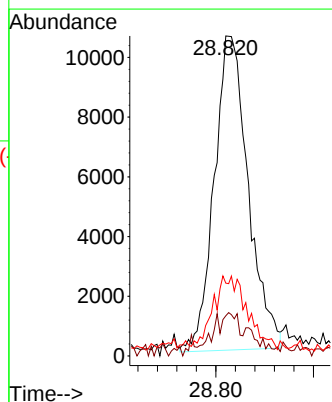
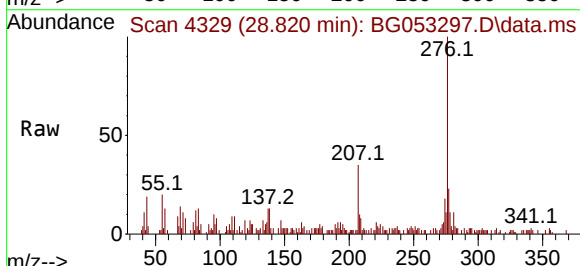
APPROVED

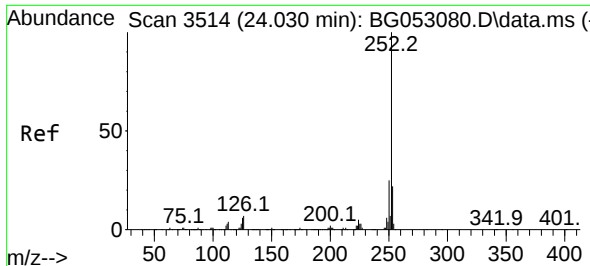
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.465 ng
RT: 28.820 min Scan# 4329
Delta R.T. -0.030 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:276 Resp: 50964
Ion Ratio Lower Upper
276 100
138 4.9 8.7 13.1#
277 10.4 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 6.887 ng
RT: 24.009 min Scan# 3514
Delta R.T. -0.012 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Instrument :

BNA_G

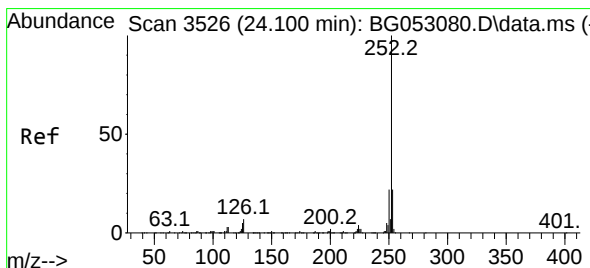
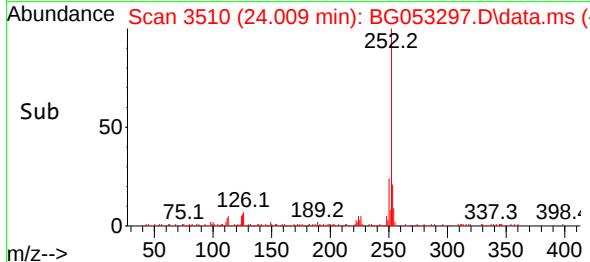
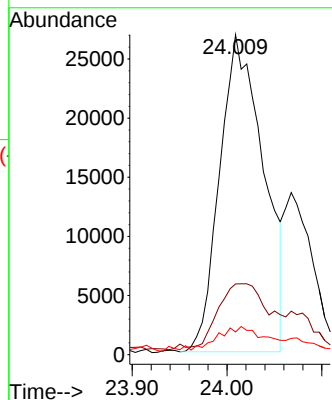
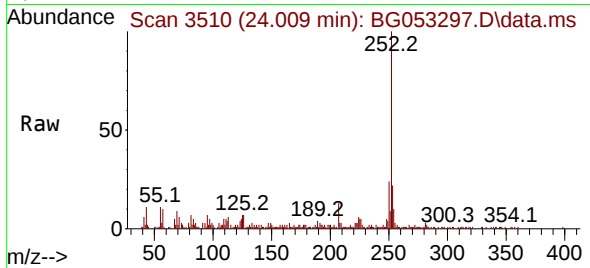
ClientSampleId :

HR-04-042122

Tgt Ion:252 Resp: 8602
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 7.1 5.2 7.8

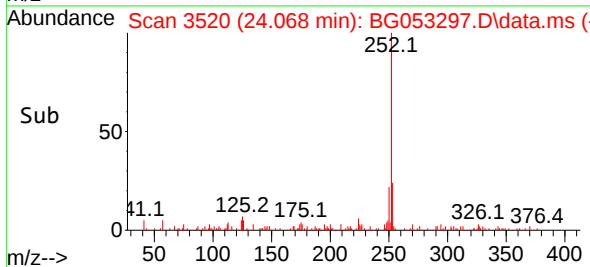
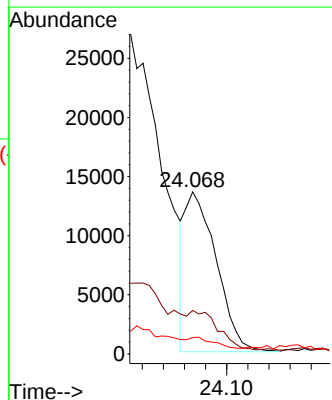
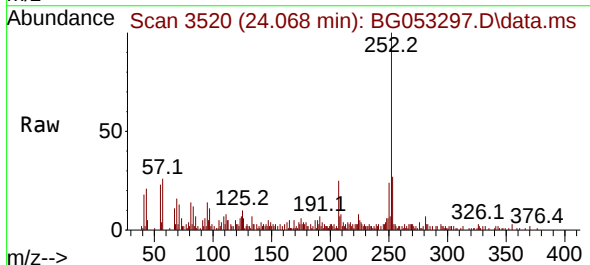
Manual Integrations
APPROVED

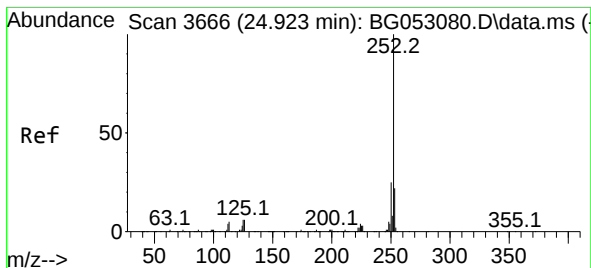
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#89
Benzo(k)fluoranthene
Concen: 2.252 ng m
RT: 24.068 min Scan# 3520
Delta R.T. -0.018 min
Lab File: BG053297.D
Acq: 23 Apr 2022 17:38

Tgt Ion:252 Resp: 27648
Ion Ratio Lower Upper
252 100
253 26.8 17.4 26.0#
125 10.1 5.0 7.4#





#90

Benzo(a)pyrene

Concen: 6.229 ng

RT: 24.902 min Scan# 30

Delta R.T. -0.012 min

Lab File: BG053297.D

Acq: 23 Apr 2022 17:38

Instrument :

BNA_G

ClientSampleId :

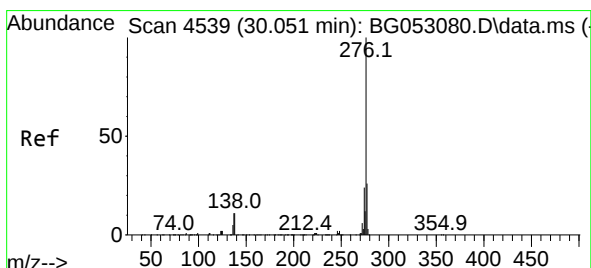
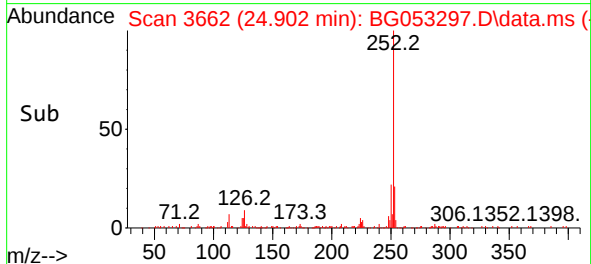
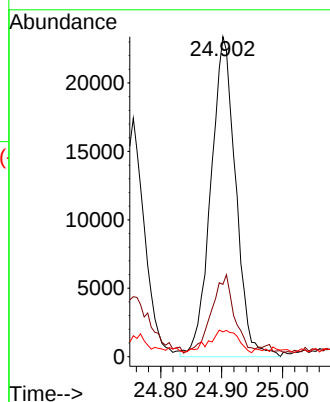
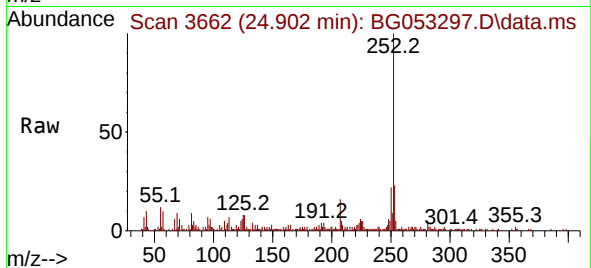
HR-04-042122

Tgt Ion:	252	Resp:	6629
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.4	27.6
125	7.7	5.6	8.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#92

Benzo(g,h,i)perylene

Concen: 4.662 ng m

RT: 30.013 min Scan# 4532

Delta R.T. -0.024 min

Lab File: BG053297.D

Acq: 23 Apr 2022 17:38

Tgt Ion:	276	Resp:	55627
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.2	27.2
138	10.5	9.1	13.7

