

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053298.D
 Acq On : 23 Apr 2022 18:17
 Operator : CG/JU
 Sample : N2525-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-042122

Quant Time: Apr 24 02:50:00 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	38623	20.000	ng	0.00
21) Naphthalene-d8	10.925	136	152751	20.000	ng	# 0.00
39) Acenaphthene-d10	14.731	164	104295	20.000	ng	0.00
64) Phenanthrene-d10	17.480	188	211708	20.000	ng	0.00
76) Chrysene-d12	21.763	240	188569	20.000	ng	0.00
86) Perylene-d12	25.064	264	198635	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.679	112	207794	92.224	ng	0.00
7) Phenol-d6	7.271	99	307869	88.606	ng	0.00
23) Nitrobenzene-d5	9.274	82	220103	58.507	ng	0.00
42) 2,4,6-Tribromophenol	16.223	330	130354	78.560	ng	0.00
45) 2-Fluorobiphenyl	13.357	172	473544	62.608	ng	0.00
79) Terphenyl-d14	20.083	244	630557	56.475	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.522	178	44324	3.833	ng	95
75) Fluoranthene	19.525	202	75185	5.072	ng	98
78) Pyrene	19.889	202	75295	5.607	ng	96
81) Benzo(a)anthracene	21.745	228	40534	3.144	ng	99
83) Chrysene	21.810	228	38623m	3.228	ng	
88) Benzo(b)fluoranthene	24.019	252	44851	3.579	ng	# 86
90) Benzo(a)pyrene	24.906	252	34869	3.266	ng	# 97

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

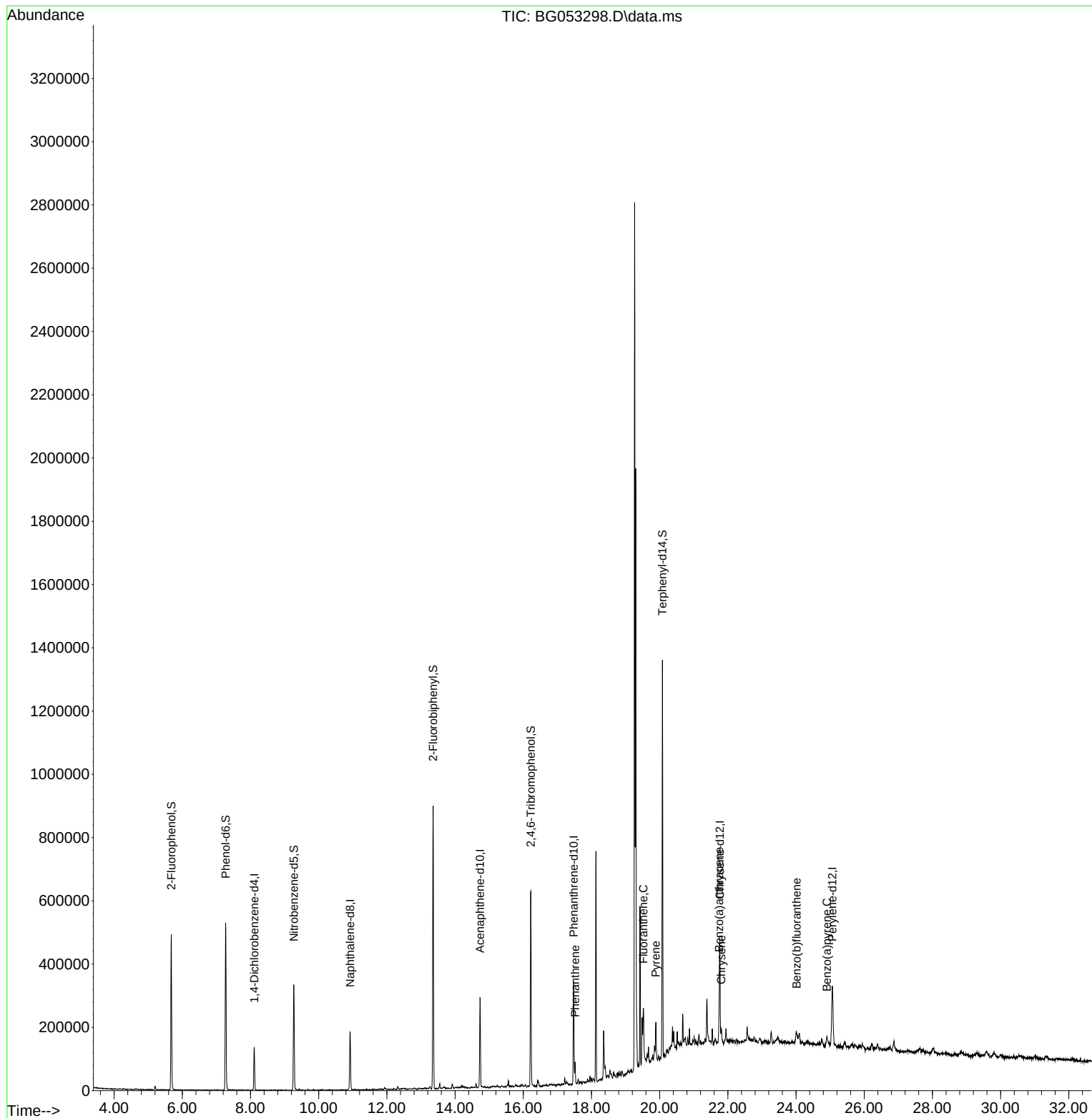
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053298.D
Acq On : 23 Apr 2022 18:17
Operator : CG/JU
Sample : N2525-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

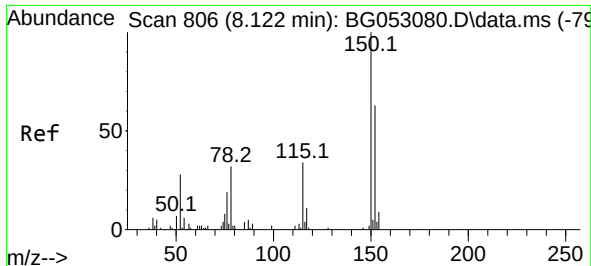
Instrument :
BNA_G
ClientSampleId :
HR-02-042122

Quant Time: Apr 24 02:50:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.111 min Scan# 804
Delta R.T. -0.002 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Instrument :

BNA_G

ClientSampleId :

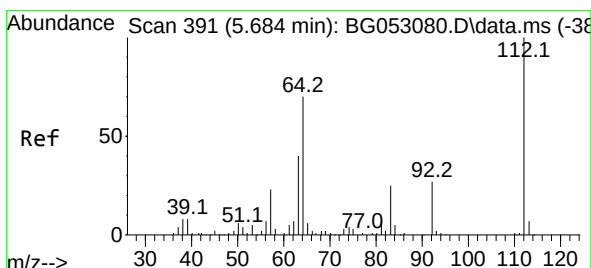
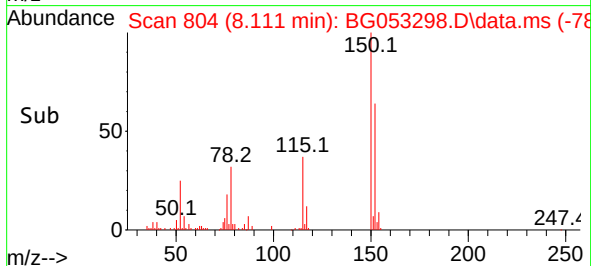
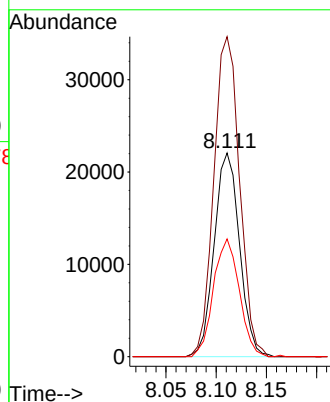
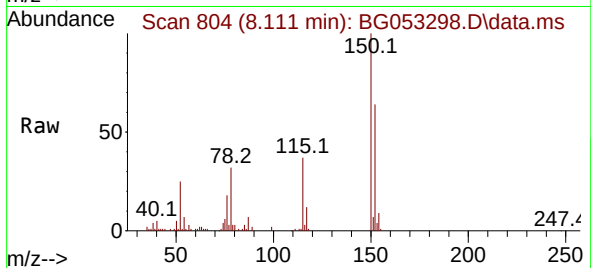
HR-02-042122

Tgt Ion:152 Resp: 3862
Ion Ratio Lower Upper
152 100
150 157.2 114.6 172.0
115 57.8 45.9 68.9

Manual Integrations

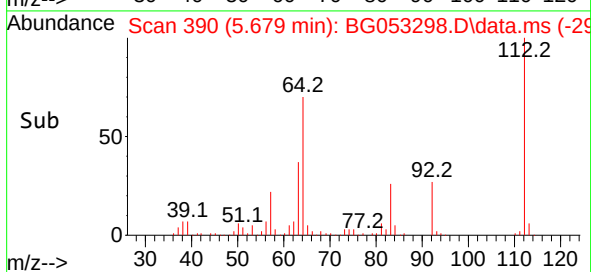
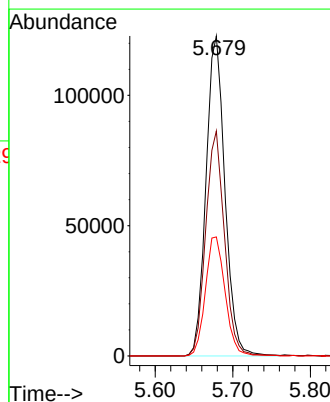
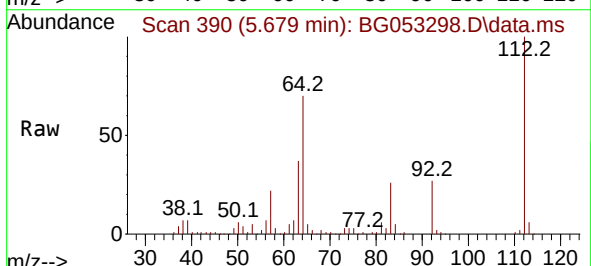
APPROVED

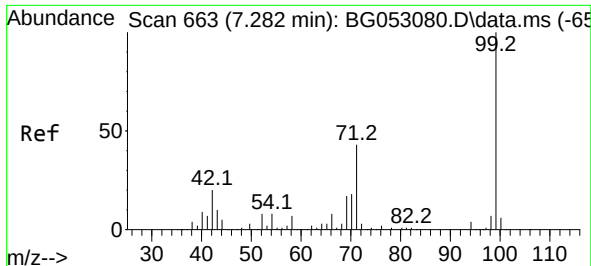
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#5
2-Fluorophenol
Concen: 92.224 ng
RT: 5.679 min Scan# 390
Delta R.T. 0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

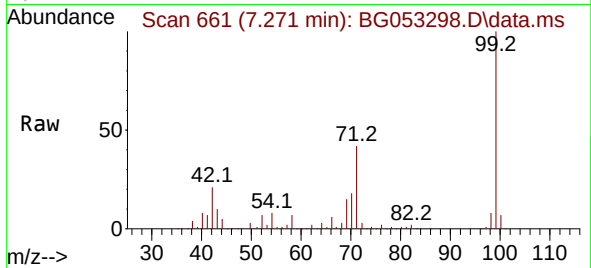
Tgt Ion:112 Resp: 207794
Ion Ratio Lower Upper
112 100
64 70.3 48.0 72.0
63 37.2 26.5 39.7





#7
Phenol-d6
Concen: 88.606 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

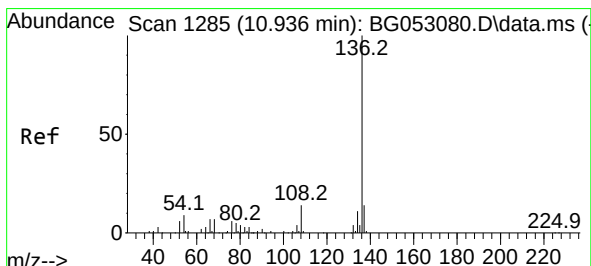
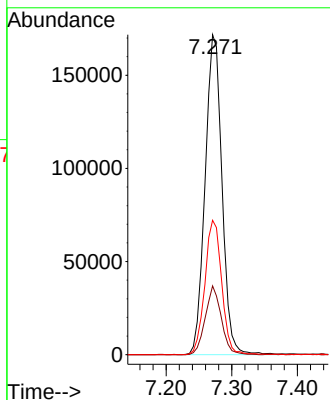
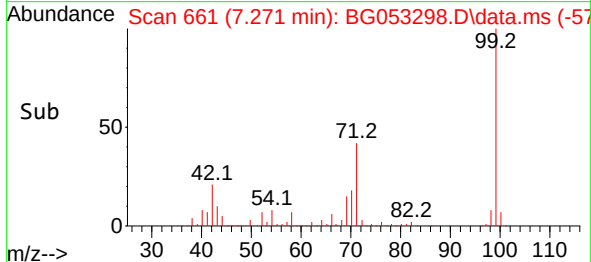
Instrument :
BNA_G
ClientSampleId :
HR-02-042122



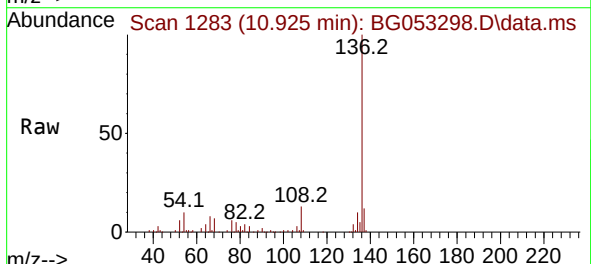
Tgt Ion: 99 Resp: 307869
Ion Ratio Lower Upper
99 100
42 21.5 14.7 22.1
71 42.0 29.2 43.8

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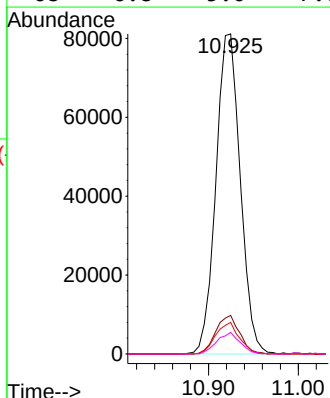
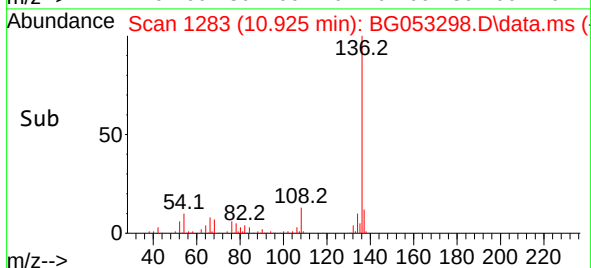
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

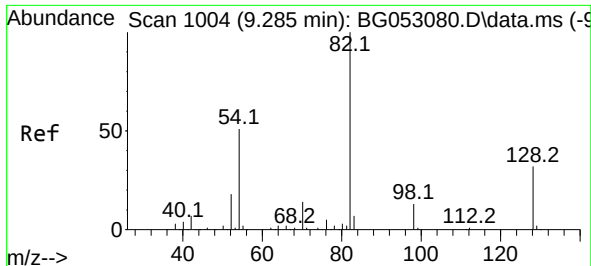


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.925 min Scan# 1283
Delta R.T. 0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17



Tgt Ion:136 Resp: 152751
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.2
54 9.8 6.4 9.6#
68 6.8 5.0 7.6





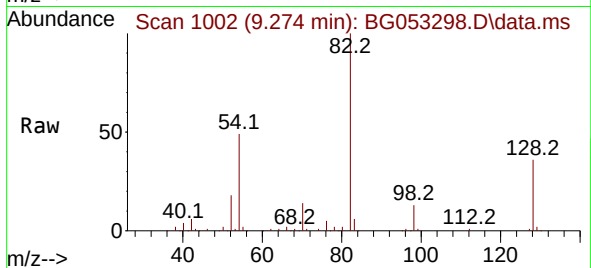
#23
Nitrobenzene-d5
Concen: 58.507 ng
RT: 9.274 min Scan# 1002
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Instrument :

BNA_G

ClientSampleId :

HR-02-042122

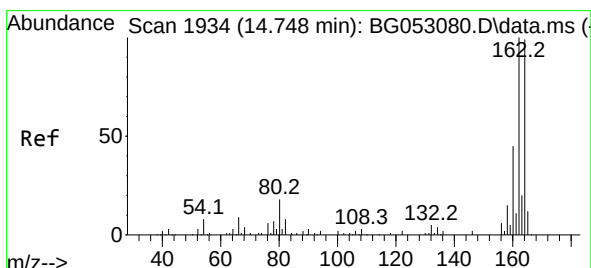
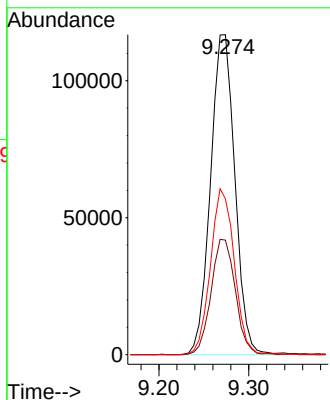
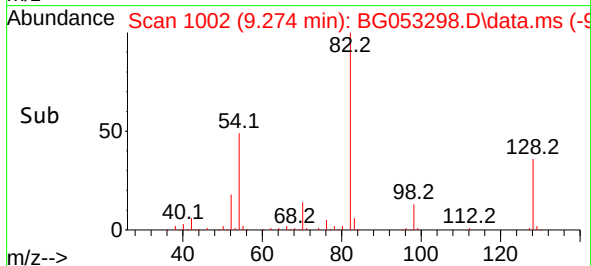


Tgt Ion: 82 Resp: 22010
Ion Ratio Lower Upper
82 100
128 35.8 31.3 46.9
54 48.7 37.8 56.8

Manual Integrations

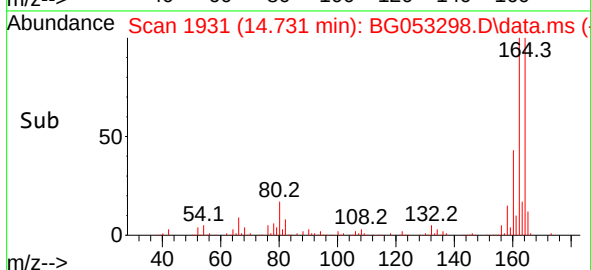
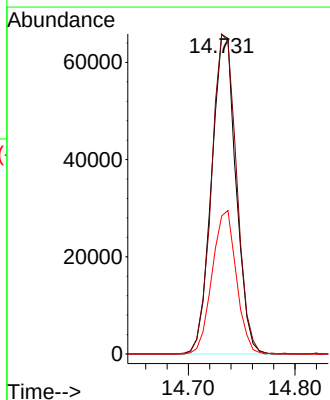
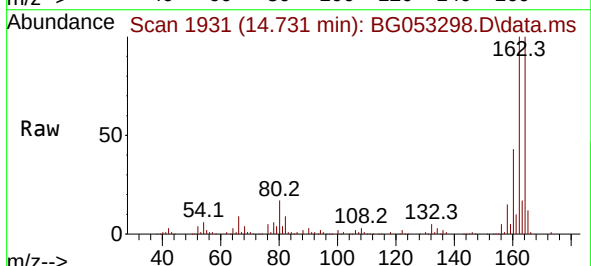
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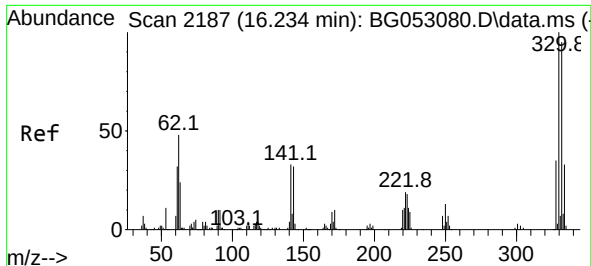
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.731 min Scan# 1931
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

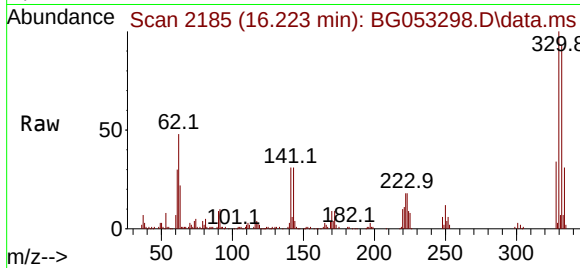
Tgt Ion:164 Resp: 104295
Ion Ratio Lower Upper
164 100
162 100.2 80.0 120.0
160 43.2 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 78.560 ng
RT: 16.223 min Scan# 2185
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

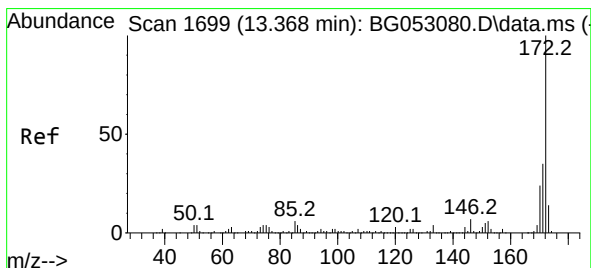
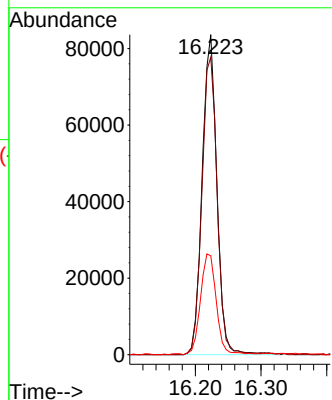
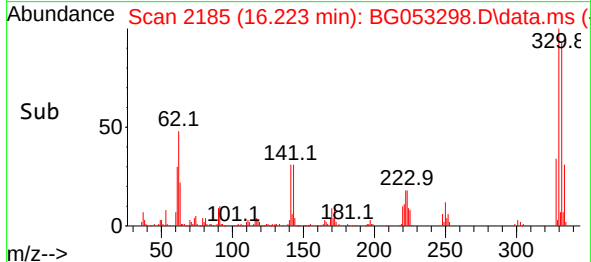
Instrument :
BNA_G
ClientSampleId :
HR-02-042122



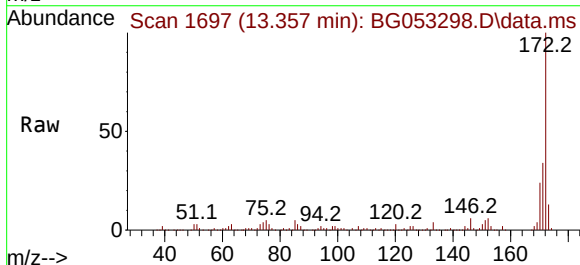
Tgt Ion:330 Resp: 130354
Ion Ratio Lower Upper
330 100
332 96.1 75.8 113.6
141 33.9 24.6 36.8

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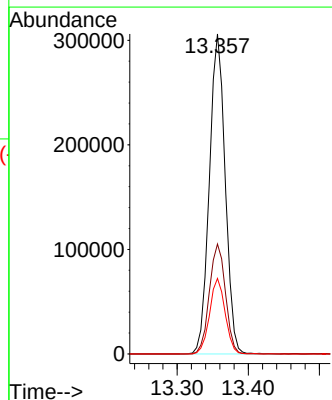
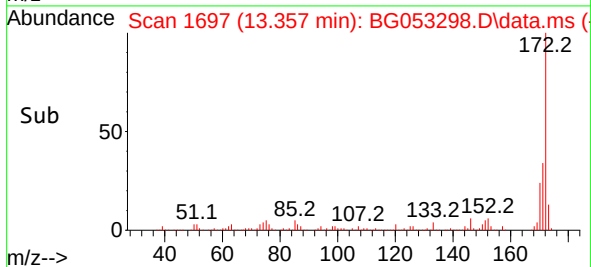
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

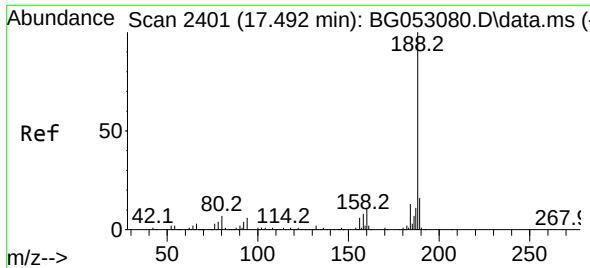


#45
2-Fluorobiphenyl
Concen: 62.608 ng
RT: 13.357 min Scan# 1697
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17



Tgt Ion:172 Resp: 473544
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.6 18.0 27.0





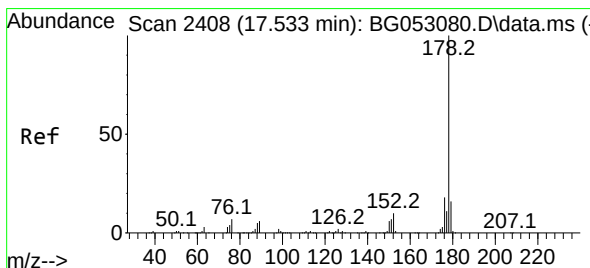
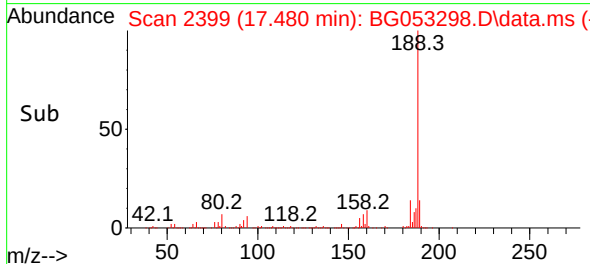
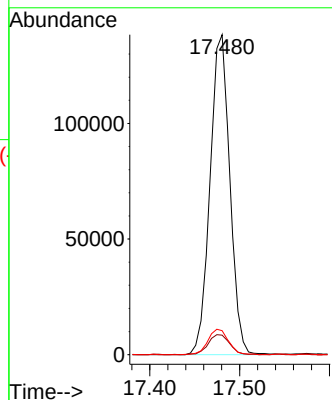
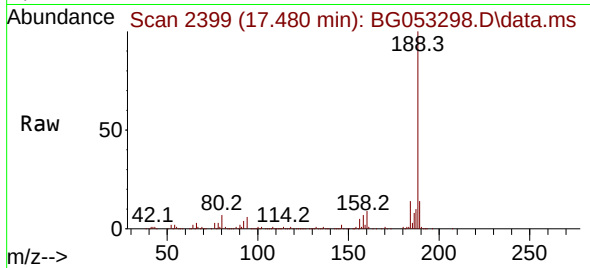
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.480 min Scan# 211708
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Instrument :
BNA_G
ClientSampleId :
HR-02-042122

Tgt Ion:188 Resp: 211708
Ion Ratio Lower Upper
188 100
94 6.1 5.7 8.5
80 7.5 7.2 10.8

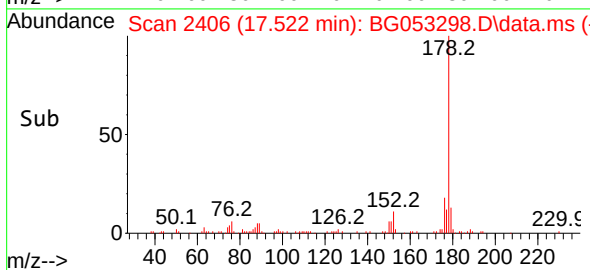
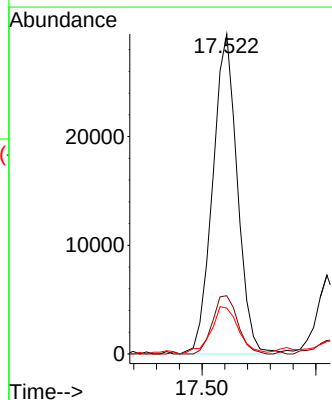
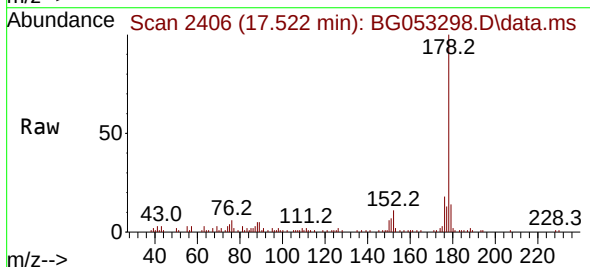
Manual Integrations
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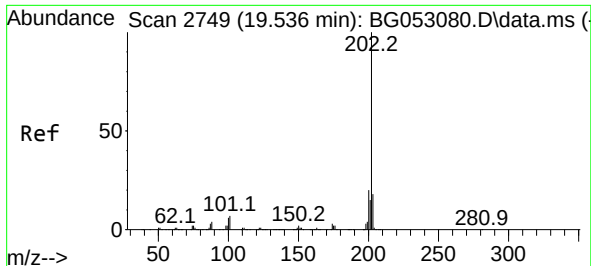
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#71
Phenanthrene
Concen: 3.833 ng
RT: 17.522 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

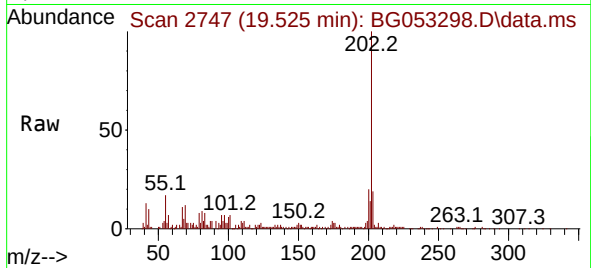
Tgt Ion:178 Resp: 44324
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 14.3 13.4 20.2





#75
Fluoranthene
Concen: 5.072 ng
RT: 19.525 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

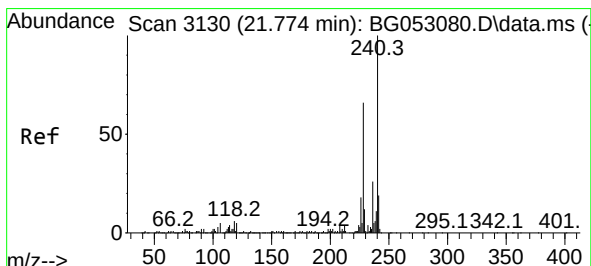
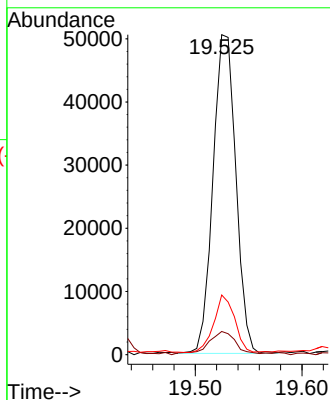
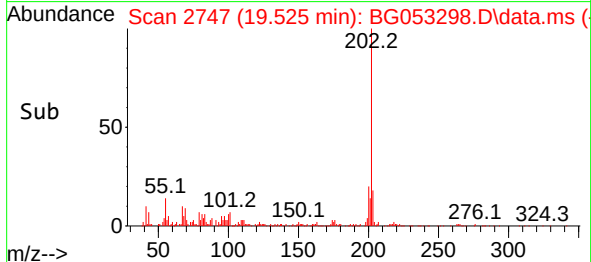
Instrument :
BNA_G
ClientSampleId :
HR-02-042122



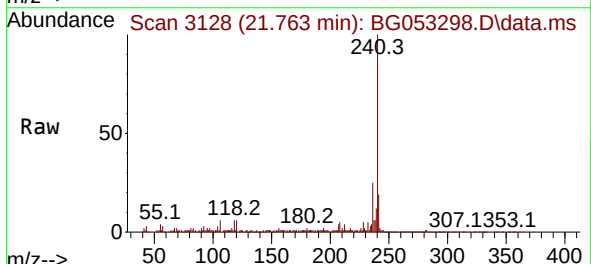
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Ion Ratio Lower Upper
202 100
101 7.2 0.0 27.3
203 18.7 0.0 37.7

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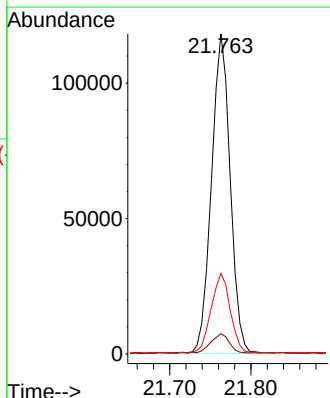
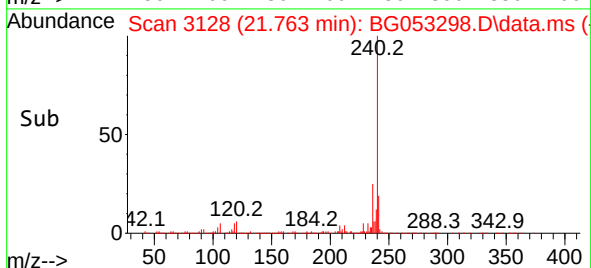
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

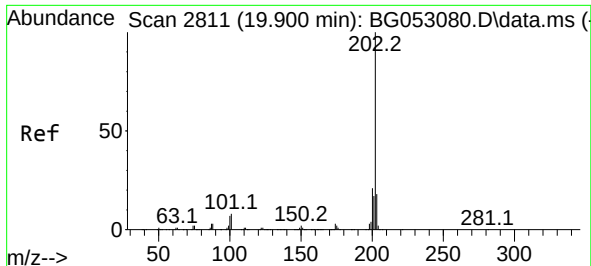


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.763 min Scan# 3128
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17



Tgt Ion:240 Resp: 188569
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.0
236 25.1 19.8 29.6





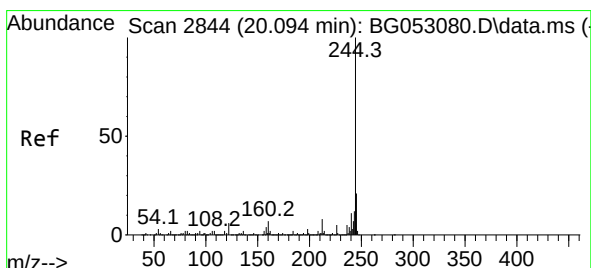
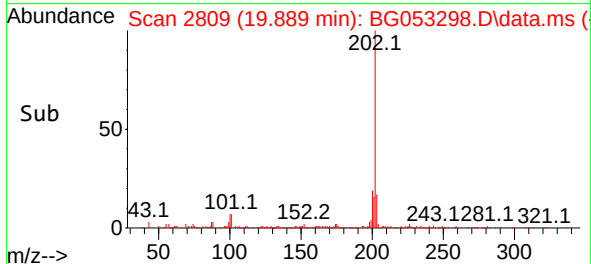
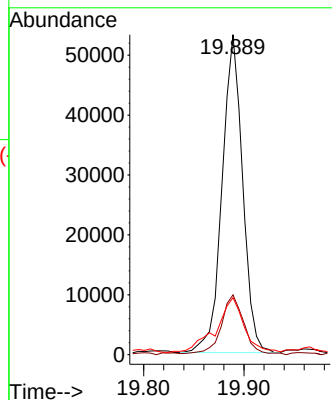
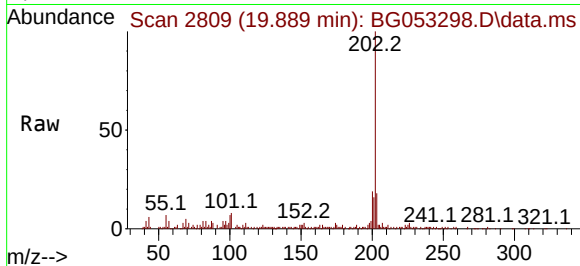
#78
Pyrene
Concen: 5.607 ng
RT: 19.889 min Scan# 2809
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Instrument :
BNA_G
ClientSampleId :
HR-02-042122

Tgt Ion:202 Resp: 75298
Ion Ratio Lower Upper
202 100
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203 17.8 15.0 22.6

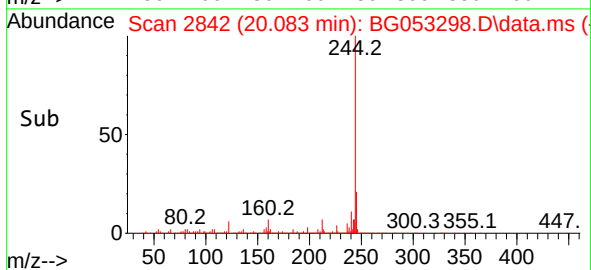
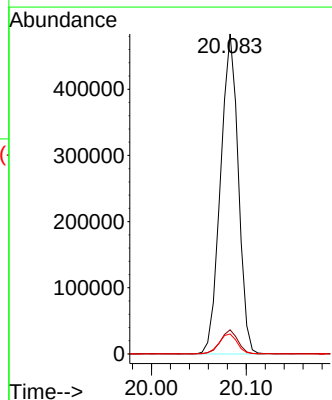
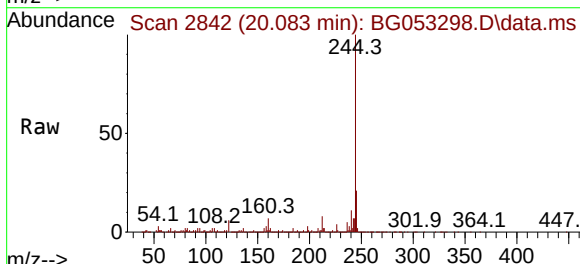
Manual Integrations
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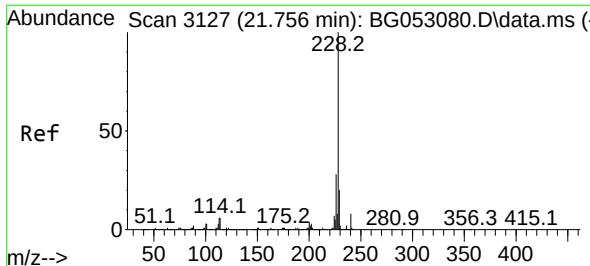
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#79
Terphenyl-d14
Concen: 56.475 ng
RT: 20.083 min Scan# 2842
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

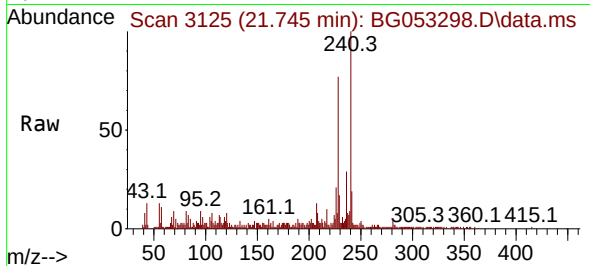
Tgt Ion:244 Resp: 630557
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.2
122 6.3 5.8 8.6





#81
Benzo(a)anthracene
Concen: 3.144 ng
RT: 21.745 min Scan# 3125
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

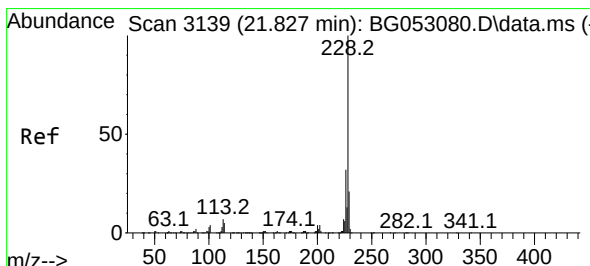
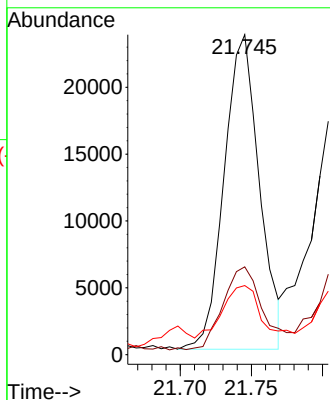
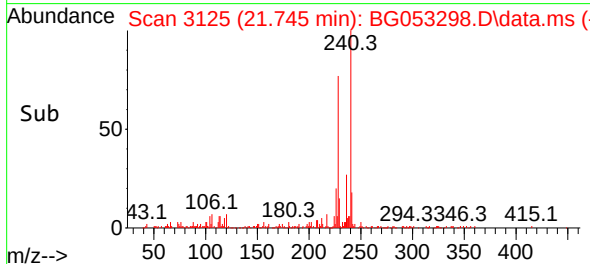
Instrument :
BNA_G
ClientSampleId :
HR-02-042122



Tgt Ion:228 Resp: 40534
Ion Ratio Lower Upper
228 100
226 27.5 21.4 32.0
229 21.6 16.7 25.1

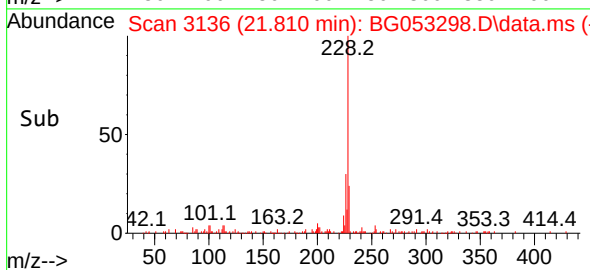
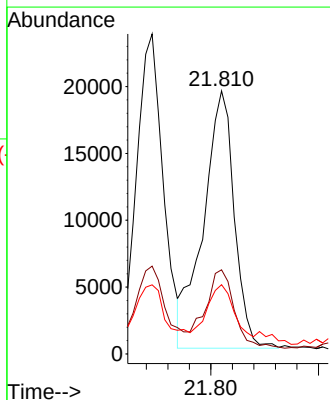
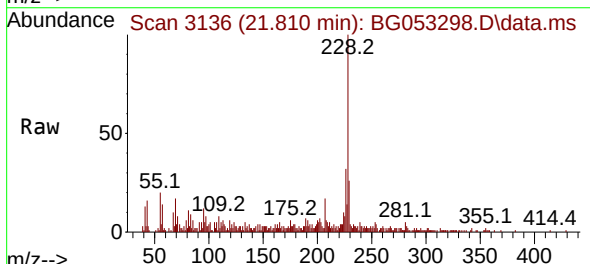
Manual Integrations
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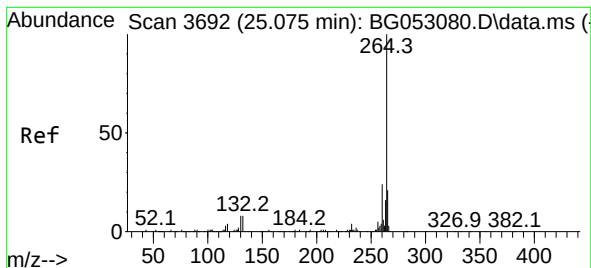
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#83
Chrysene
Concen: 3.228 ng m
RT: 21.810 min Scan# 3136
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Tgt Ion:228 Resp: 38623
Ion Ratio Lower Upper
228 100
226 32.0 24.2 36.4
229 26.3 16.3 24.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.064 min Scan# 30

Delta R.T. 0.003 min

Lab File: BG053298.D

Acq: 23 Apr 2022 18:17

Instrument :

BNA_G

ClientSampleId :

HR-02-042122

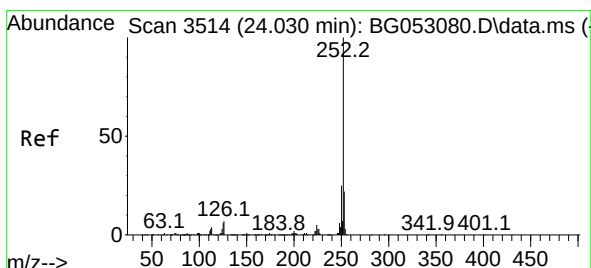
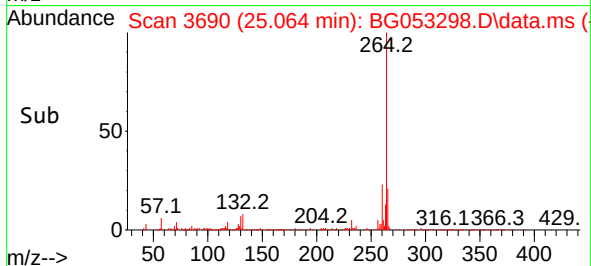
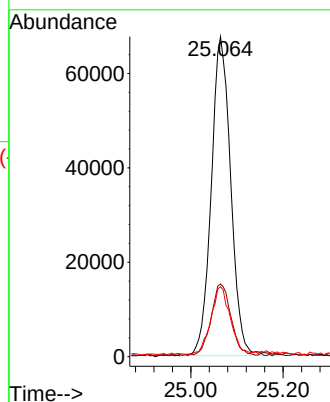
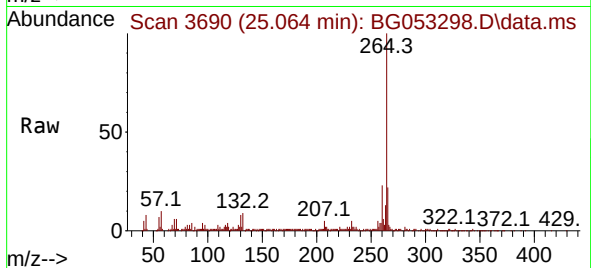
Tgt Ion:	264	Resp:	19863
Ion Ratio	Lower	Upper	
264	100		
260	22.7	18.2	27.2
265	21.8	15.1	22.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/25/2022

Supervised By :Jagrut Upadhyay 04/25/2022



#88

Benzo(b)fluoranthene

Concen: 3.579 ng

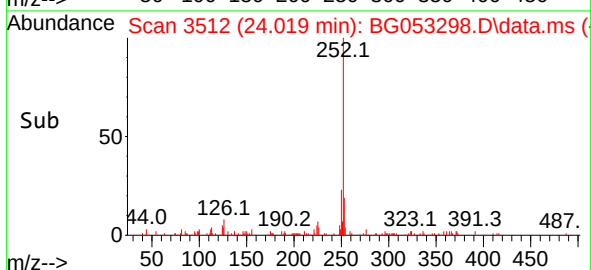
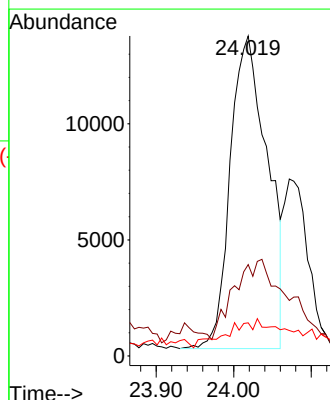
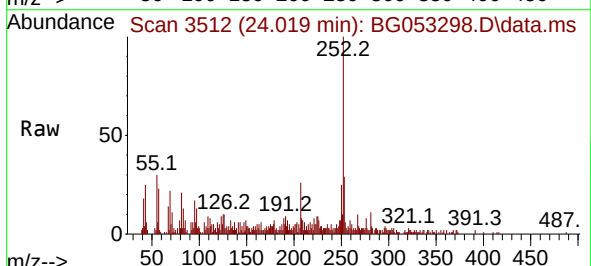
RT: 24.019 min Scan# 3512

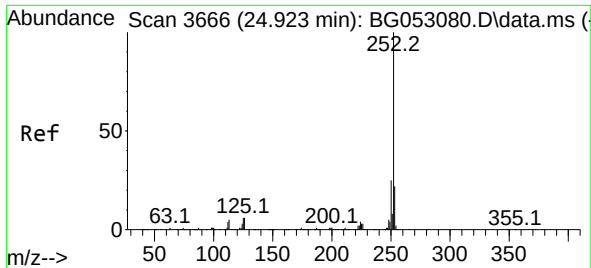
Delta R.T. -0.003 min

Lab File: BG053298.D

Acq: 23 Apr 2022 18:17

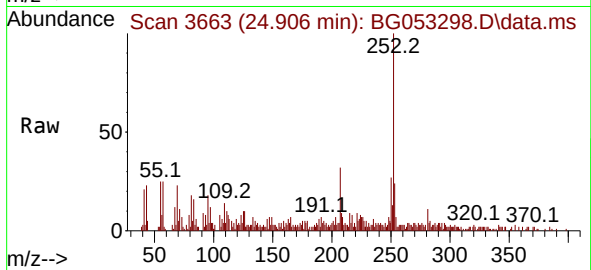
Tgt Ion:	252	Resp:	44851
Ion Ratio	Lower	Upper	
252	100		
253	28.5	17.2	25.8#
125	10.3	5.2	7.8#





#90
Benzo(a)pyrene
Concen: 3.266 ng
RT: 24.906 min Scan# 30
Delta R.T. -0.009 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Instrument :
BNA_G
ClientSampleId :
HR-02-042122



Tgt Ion:252 Resp: 34869
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 9.6 5.6 8.4

Manual Integrations
APPROVED

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

