

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
 Data File : BG053251.D
 Acq On : 21 Apr 2022 21:24
 Operator : CG/JU
 Sample : N2480-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/22/2022
 Supervised By : Jagrut Upadhyay 04/22/2022

Quant Time: Apr 22 02:58:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.119	152	34465	20.000	ng	0.00
21) Naphthalene-d8	10.927	136	135386	20.000	ng	# 0.00
39) Acenaphthene-d10	14.739	164	89247	20.000	ng	0.00
64) Phenanthrene-d10	17.488	188	180629	20.000	ng	0.00
76) Chrysene-d12	21.777	240	179123	20.000	ng	0.00
86) Perylene-d12	25.090	264	190408	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	195682	97.326	ng	0.00
7) Phenol-d6	7.273	99	289139	93.255	ng	0.00
23) Nitrobenzene-d5	9.276	82	213131	63.920	ng	0.00
42) 2,4,6-Tribromophenol	16.231	330	123356	86.878	ng	0.00
45) 2-Fluorobiphenyl	13.365	172	440668	68.085	ng	0.00
79) Terphenyl-d14	20.091	244	659655	62.197	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	12.578	142	31625	5.917	ng	# 91
38) 1-Methylnaphthalene	12.795	142	32525	6.234	ng	# 88
58) Fluorene	15.785	166	36349	5.280	ng	# 91
71) Phenanthrene	17.530	178	80090	8.118	ng	# 95
78) Pyrene	19.897	202	51813	4.061	ng	# 88
81) Benzo(a)anthracene	21.753	228	36009	2.940	ng	# 65
83) Chrysene	21.818	228	61285	5.392	ng	# 75
88) Benzo(b)fluoranthene	24.033	252	26001m	2.164	ng	
90) Benzo(a)pyrene	24.931	252	31902	3.117	ng	# 63

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

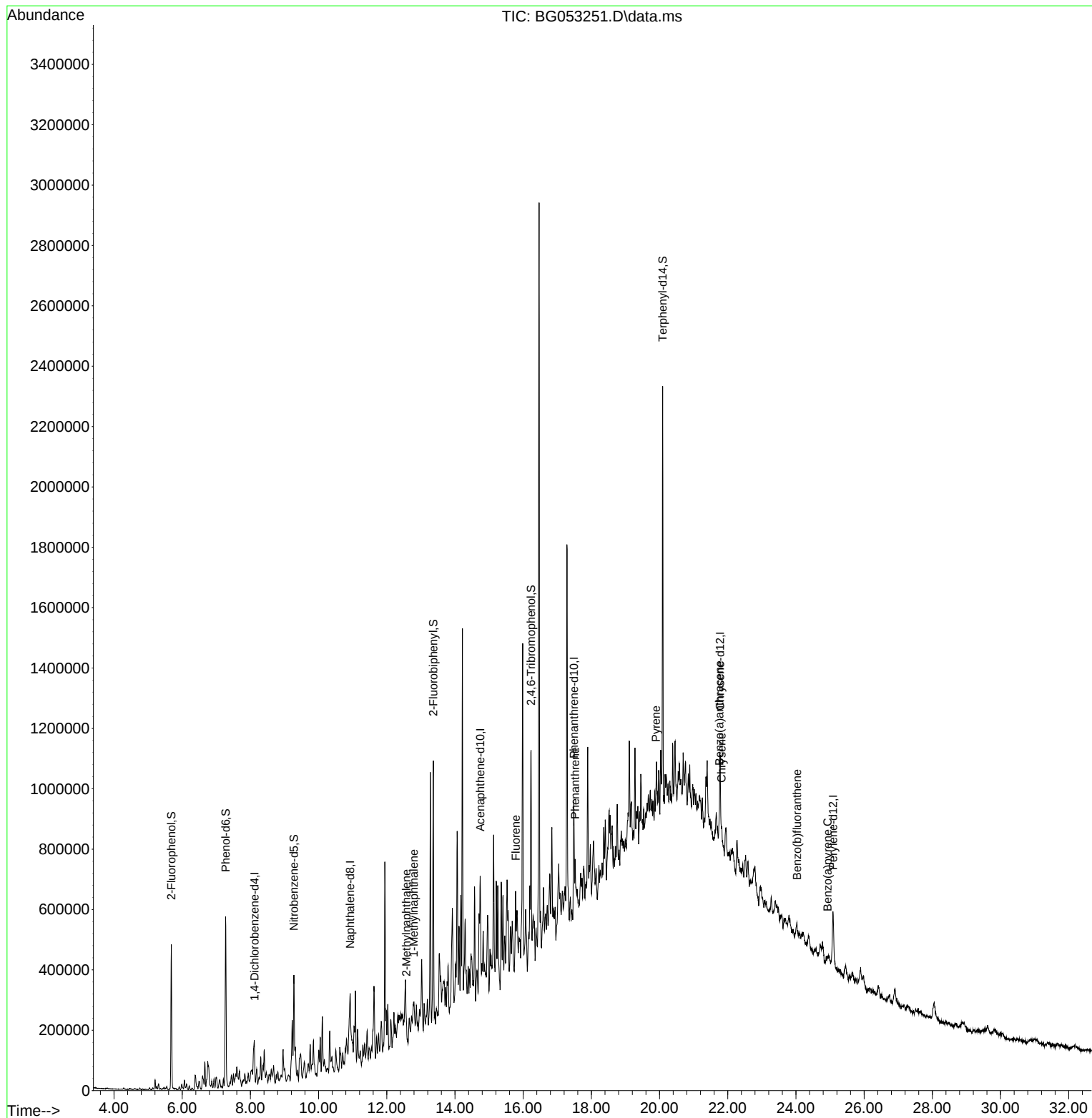
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
Data File : BG053251.D
Acq On : 21 Apr 2022 21:24
Operator : CG/JU
Sample : N2480-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

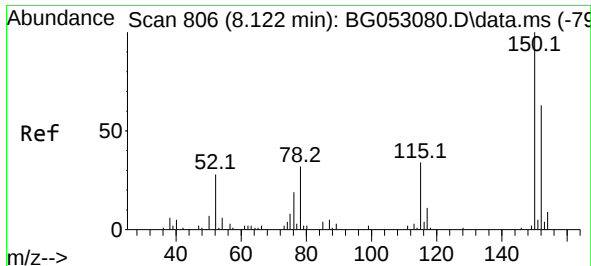
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-3

Quant Time: Apr 22 02:58:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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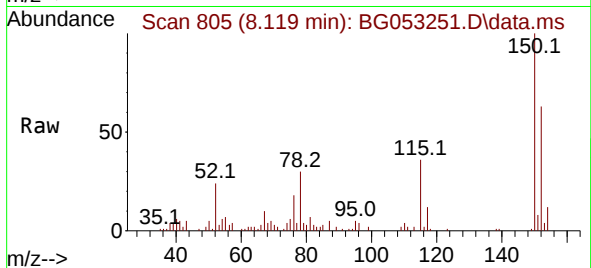
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.119 min Scan# 806
Delta R.T. -0.003 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-3

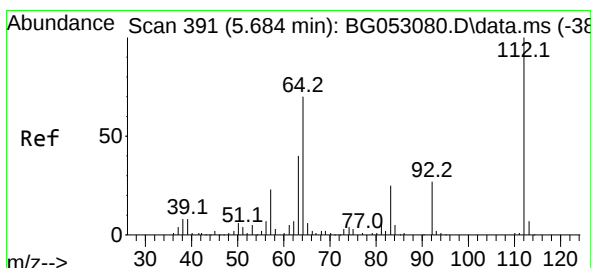
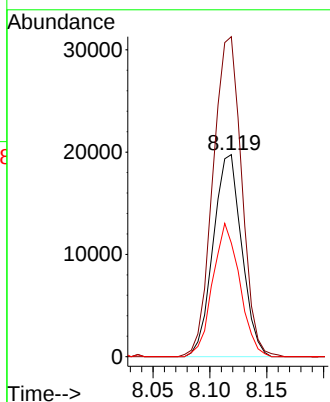
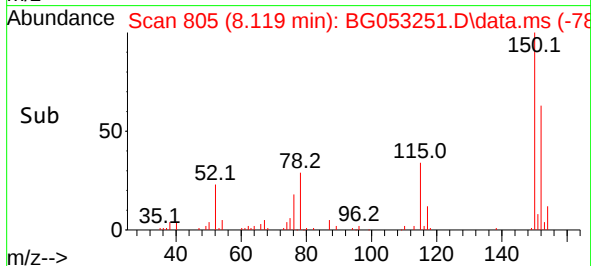


Tgt Ion:152 Resp: 3446
Ion Ratio Lower Upper
152 100
150 158.3 114.6 172.0
115 56.2 45.9 68.9

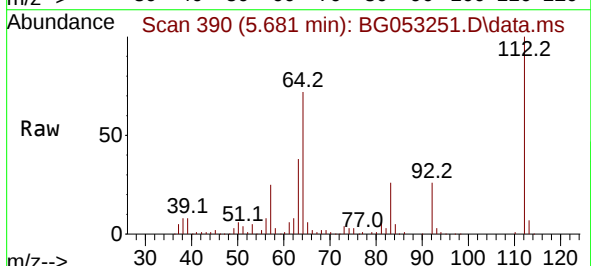
Manual Integrations

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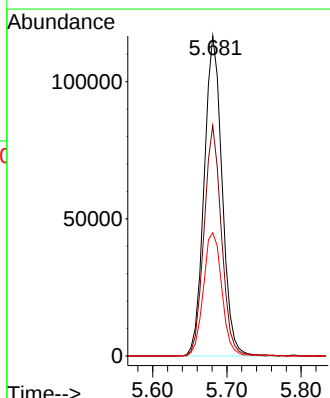
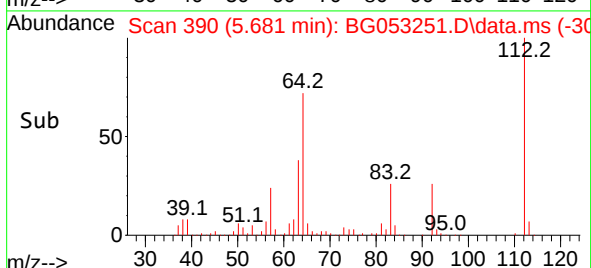
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

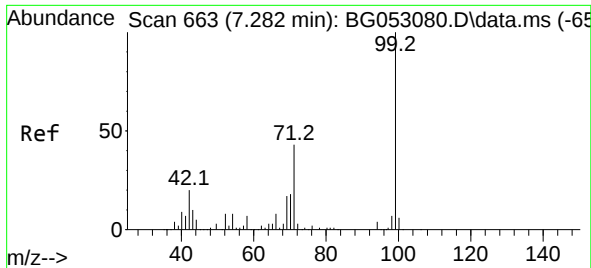


#5
2-Fluorophenol
Concen: 97.326 ng
RT: 5.681 min Scan# 390
Delta R.T. -0.003 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24



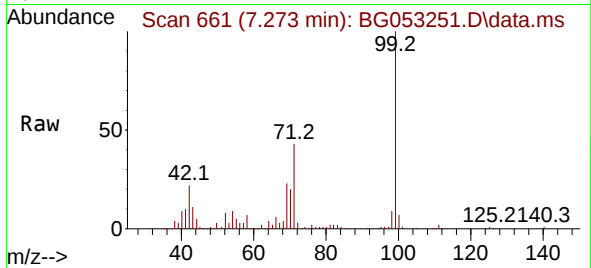
Tgt Ion:112 Resp: 195682
Ion Ratio Lower Upper
112 100
64 72.1 48.0 72.0#
63 38.5 26.5 39.7





#7
Phenol-d6
Concen: 93.255 ng
RT: 7.273 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

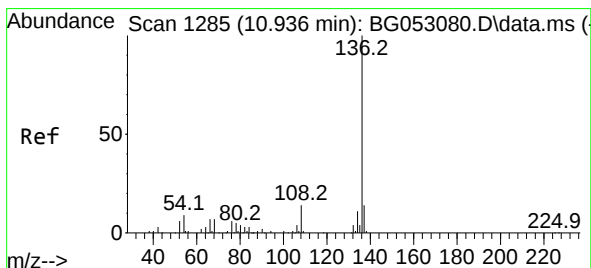
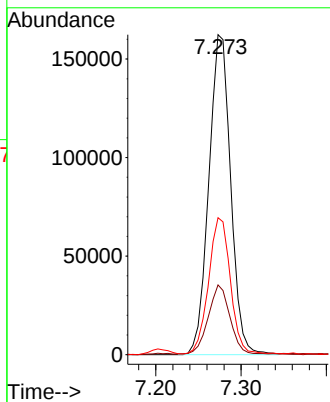
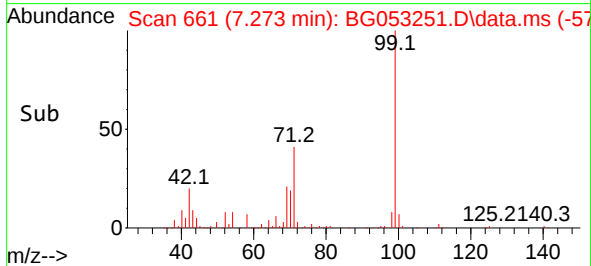
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-3



Tgt Ion: 99 Resp: 289139
Ion Ratio Lower Upper
99 100
42 21.8 14.7 22.1
71 42.8 29.2 43.8

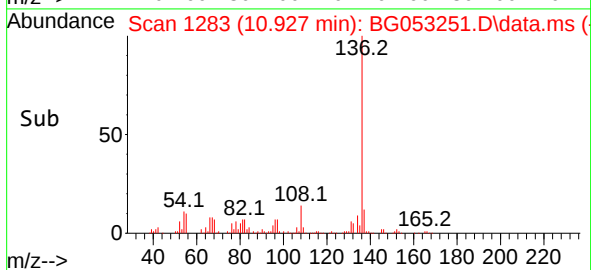
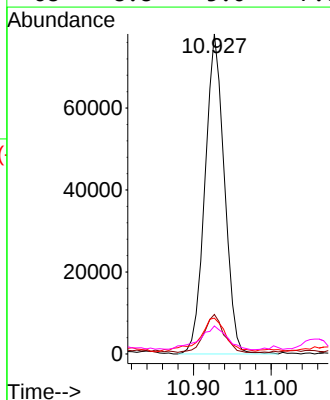
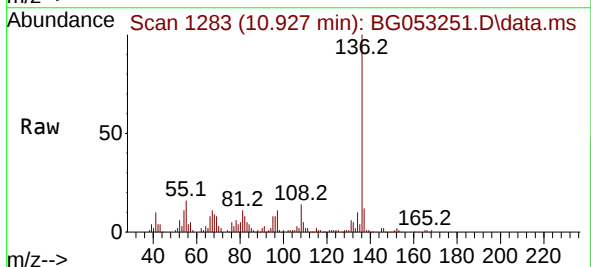
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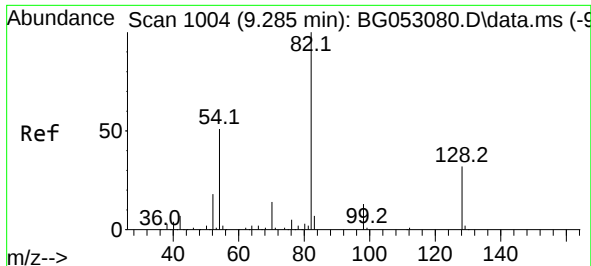
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.927 min Scan# 1283
Delta R.T. -0.009 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

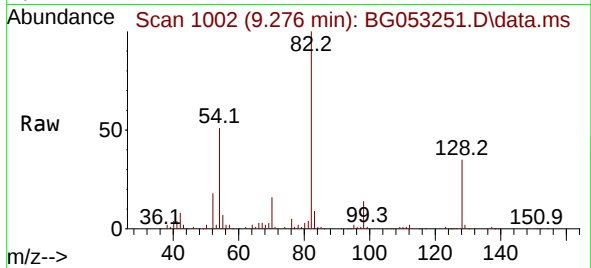
Tgt Ion:136 Resp: 135386
Ion Ratio Lower Upper
136 100
137 12.3 9.4 14.2
54 11.2 6.4 9.6#
68 8.8 5.0 7.6#





#23
Nitrobenzene-d5
Concen: 63.920 ng
RT: 9.276 min Scan# 1004
Delta R.T. -0.009 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

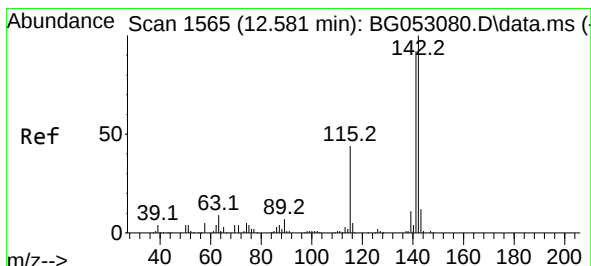
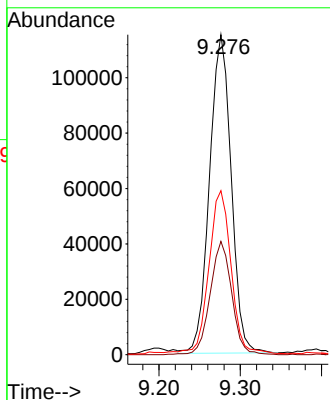
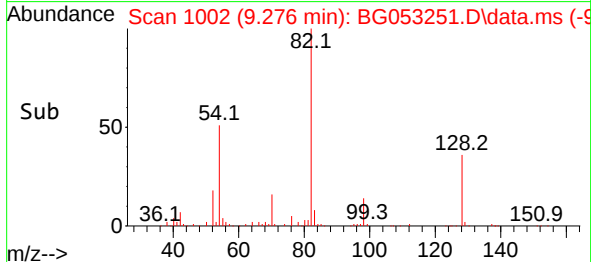
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-3



Tgt Ion: 82 Resp: 21313
Ion Ratio Lower Upper
82 100
128 35.4 31.3 46.9
54 51.3 37.8 56.8

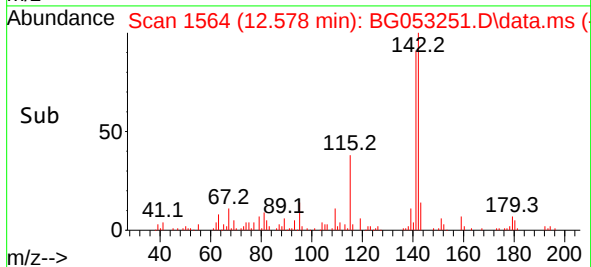
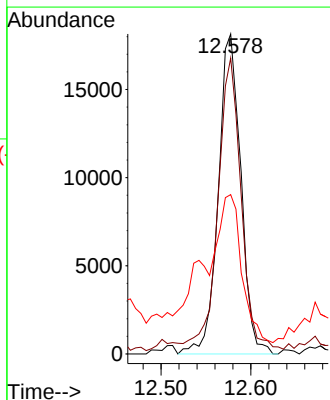
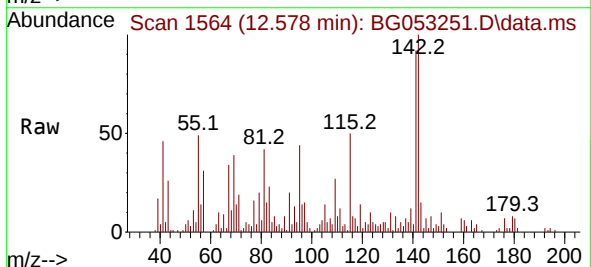
Manual Integrations
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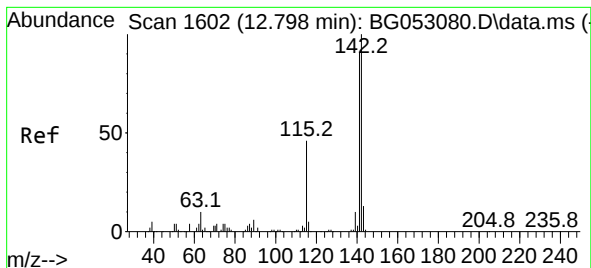
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#37
2-Methylnaphthalene
Concen: 5.917 ng
RT: 12.578 min Scan# 1564
Delta R.T. -0.003 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

Tgt Ion:142 Resp: 31625
Ion Ratio Lower Upper
142 100
141 92.5 71.3 106.9
115 49.8 29.5 44.3#





#38

1-Methylnaphthalene

Concen: 6.234 ng

RT: 12.795 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG053251.D

Acq: 21 Apr 2022 21:24

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-3

Tgt Ion:142 Resp: 3252

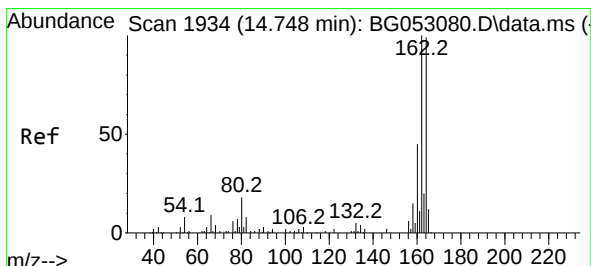
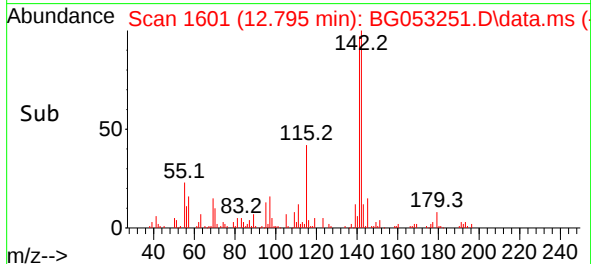
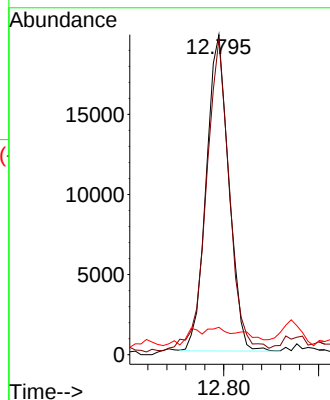
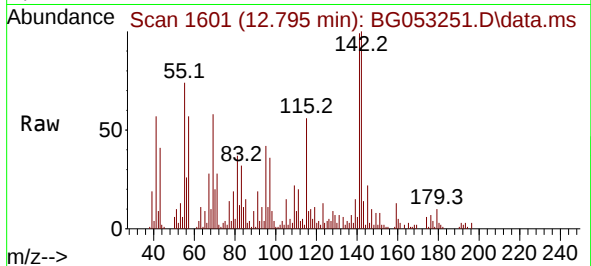
Ion	Ratio	Lower	Upper
142	100		
141	98.8	70.5	105.7
116	8.5	3.1	4.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/22/2022

Supervised By :Jagrut Upadhyay 04/22/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.739 min Scan# 1932

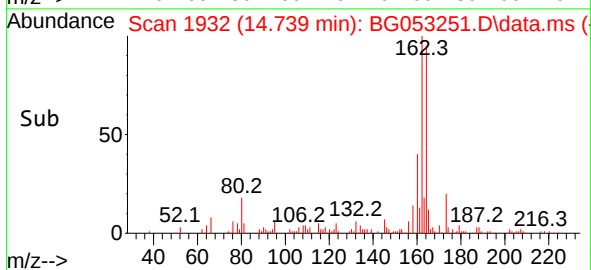
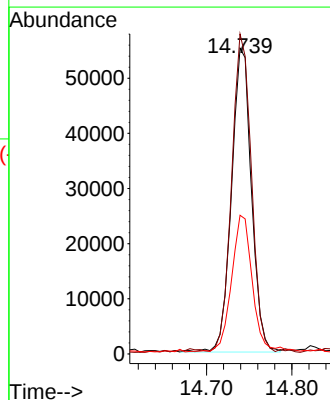
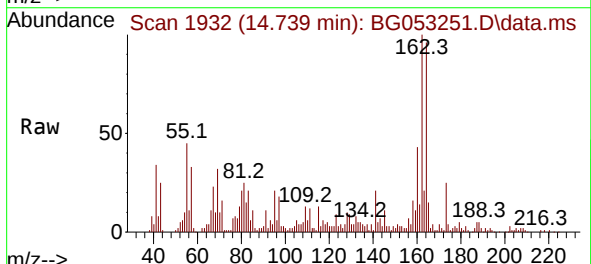
Delta R.T. -0.009 min

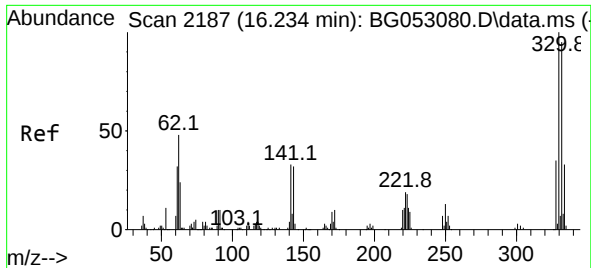
Lab File: BG053251.D

Acq: 21 Apr 2022 21:24

Tgt Ion:164 Resp: 89247

Ion	Ratio	Lower	Upper
164	100		
162	104.6	80.0	120.0
160	45.4	38.8	58.2





#42
2,4,6-Tribromophenol
Concen: 86.878 ng
RT: 16.231 min Scan# 2187
Delta R.T. -0.003 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

Instrument :

BNA_G

ClientSampleId :

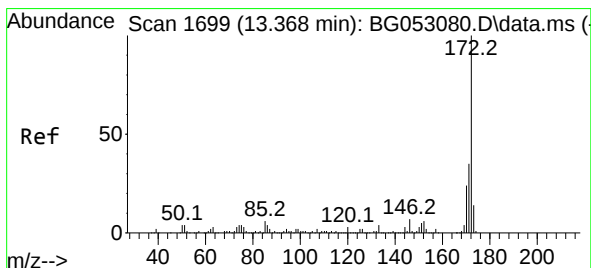
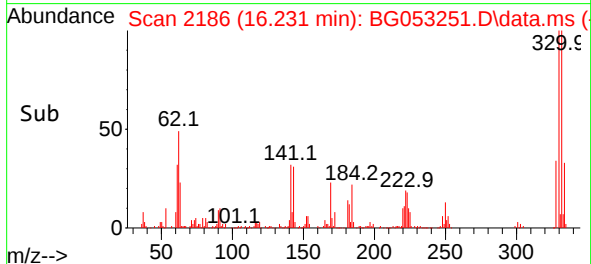
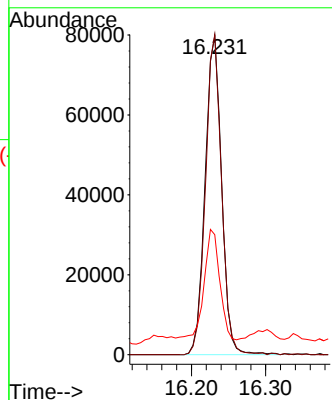
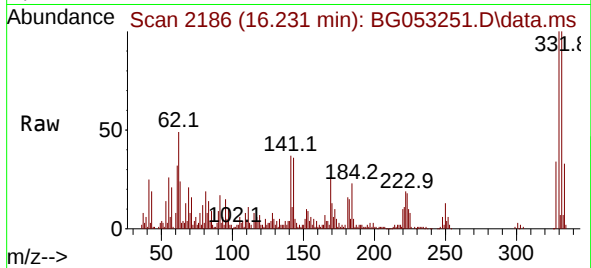
WC-16-1A-3

Tgt Ion:330 Resp: 123350
Ion Ratio Lower Upper
330 100
332 97.5 75.8 113.6
141 33.6 24.6 36.8

Manual Integrations

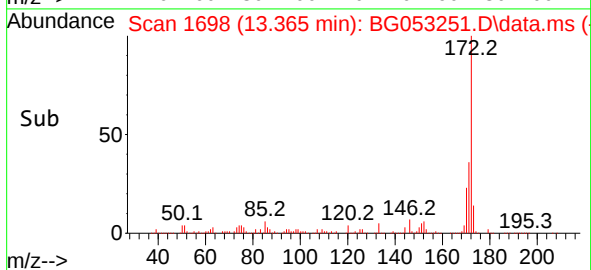
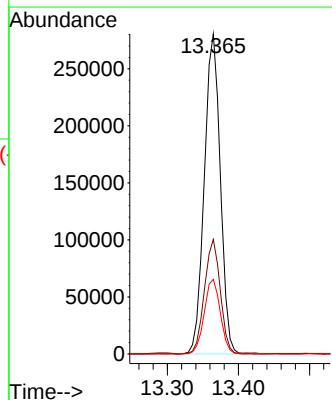
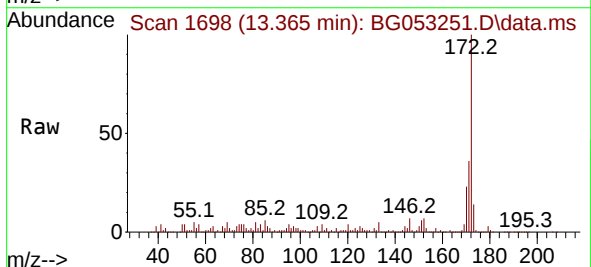
APPROVED

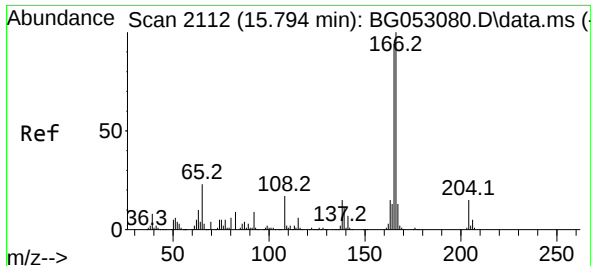
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#45
2-Fluorobiphenyl
Concen: 68.085 ng
RT: 13.365 min Scan# 1698
Delta R.T. -0.003 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

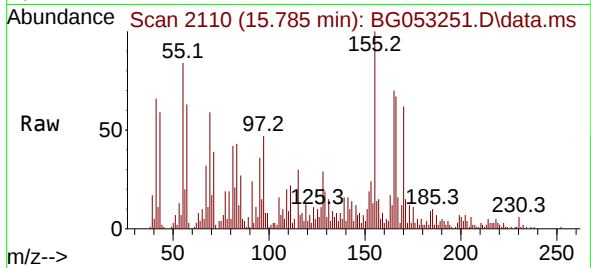
Tgt Ion:172 Resp: 440668
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.3 18.0 27.0





#58
Fluorene
Concen: 5.280 ng
RT: 15.785 min Scan# 2112
Delta R.T. -0.009 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

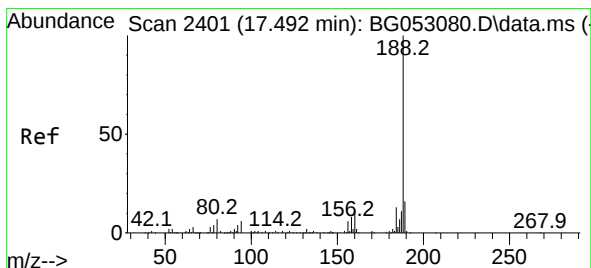
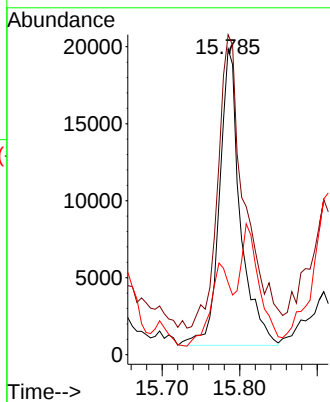
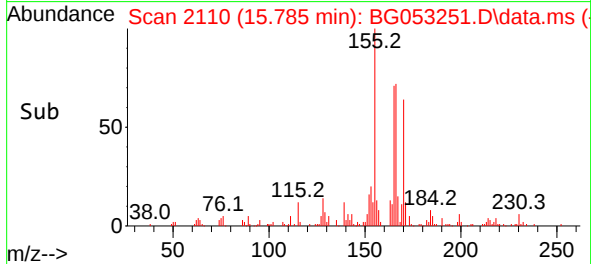
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-3



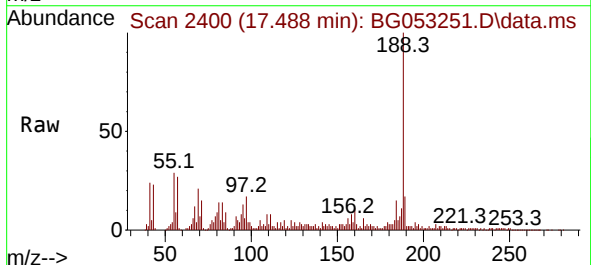
Tgt Ion:166 Resp: 36349
Ion Ratio Lower Upper
166 100
165 104.6 78.6 117.8
167 23.5 10.9 16.3

Manual Integrations
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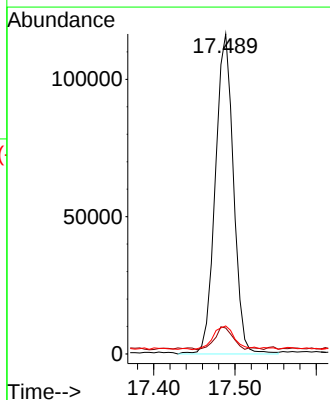
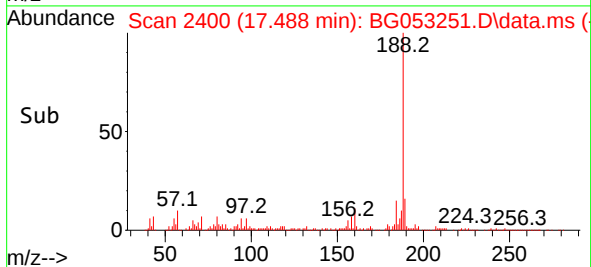
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

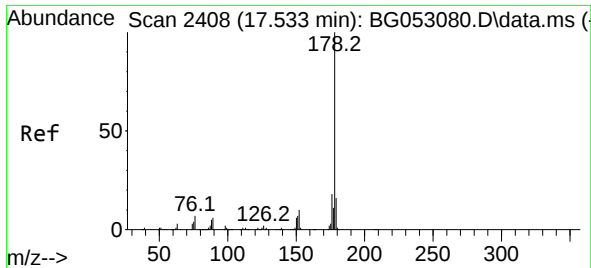


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.488 min Scan# 2400
Delta R.T. -0.003 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24



Tgt Ion:188 Resp: 180629
Ion Ratio Lower Upper
188 100
94 8.1 5.7 8.5
80 8.7 7.2 10.8





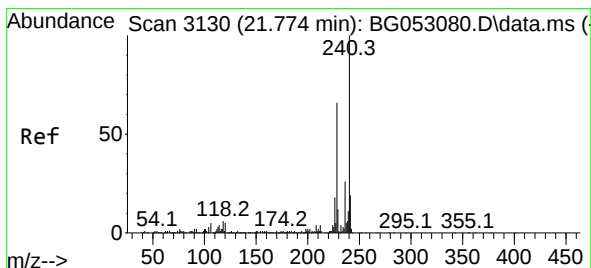
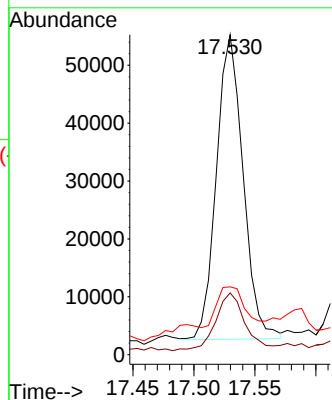
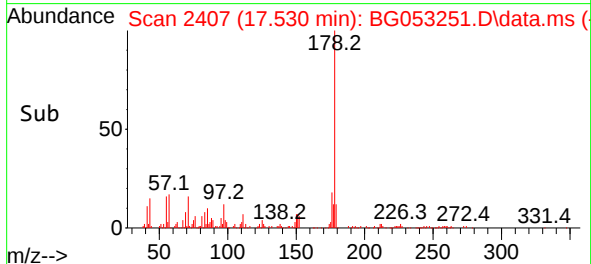
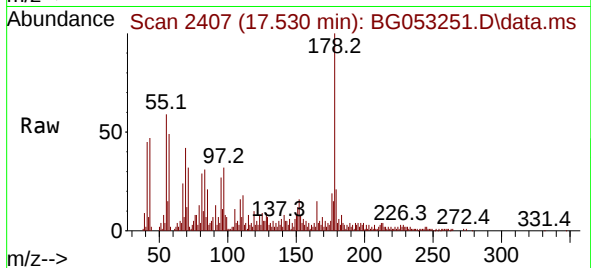
#71
Phenanthrene
Concen: 8.118 ng
RT: 17.530 min Scan# 2408
Delta R.T. -0.003 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

Instrument :
BNA_G
ClientSampleId :
WC-16-1A-3

Tgt Ion:178 Resp: 80090
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 21.2 13.4 20.2

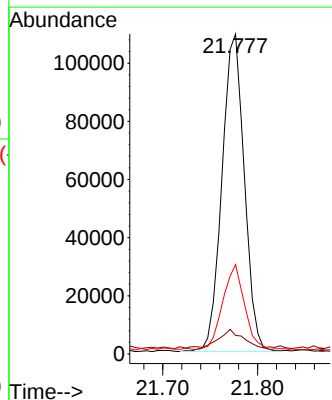
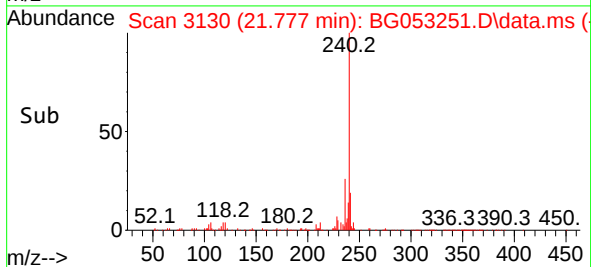
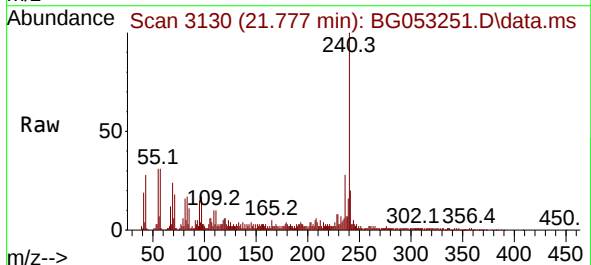
Manual Integrations
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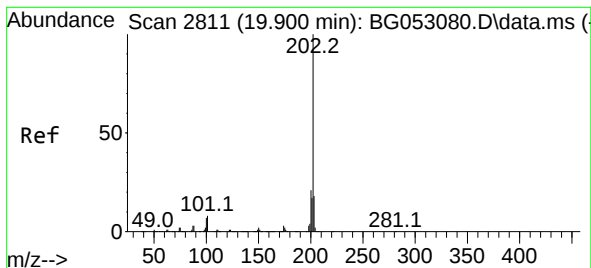
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.777 min Scan# 3130
Delta R.T. 0.003 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

Tgt Ion:240 Resp: 179123
Ion Ratio Lower Upper
240 100
120 5.8 5.4 8.0
236 27.9 19.8 29.6





#78

Pyrene

Concen: 4.061 ng

RT: 19.897 min Scan# 2811

Delta R.T. -0.003 min

Lab File: BG053251.D

Acq: 21 Apr 2022 21:24

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-3

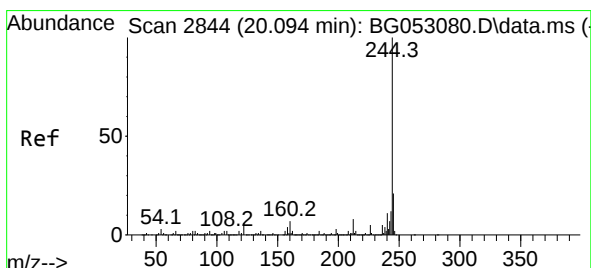
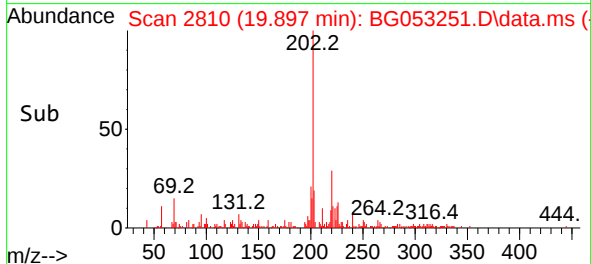
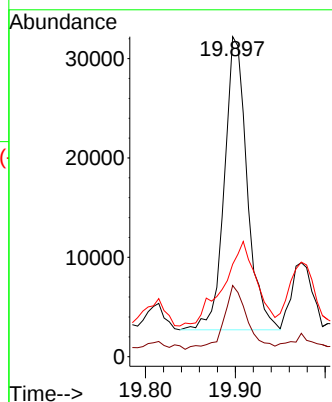
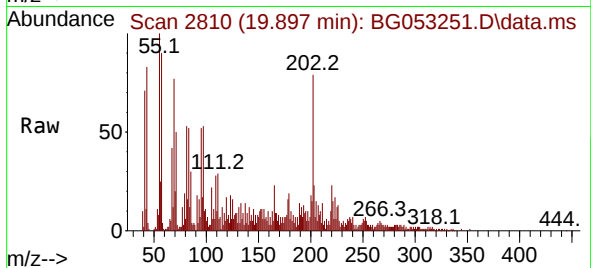
Tgt Ion:	202	Resp:	5181
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.0	25.6
203	28.9	15.0	22.6

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Reviewed By :Christian Giraldo 04/22/2022

Supervised By :Jagrut Upadhyay 04/22/2022



#79

Terphenyl-d14

Concen: 62.197 ng

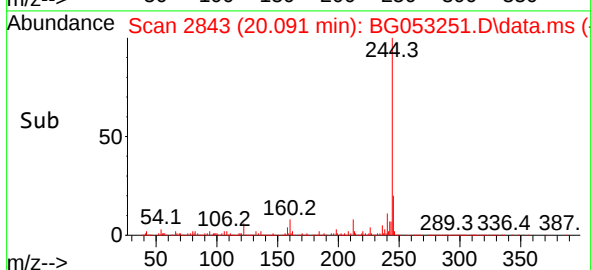
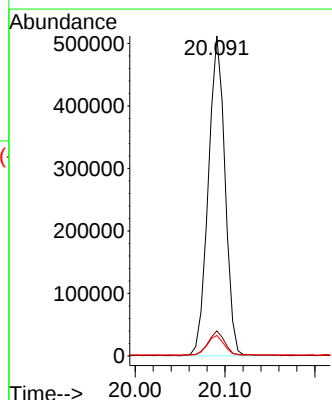
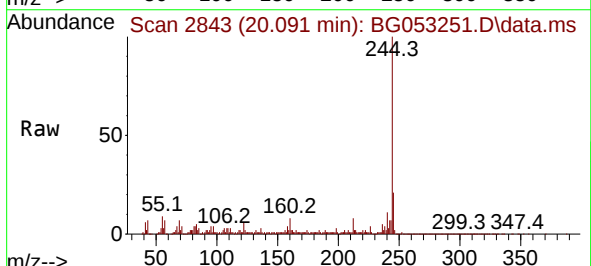
RT: 20.091 min Scan# 2843

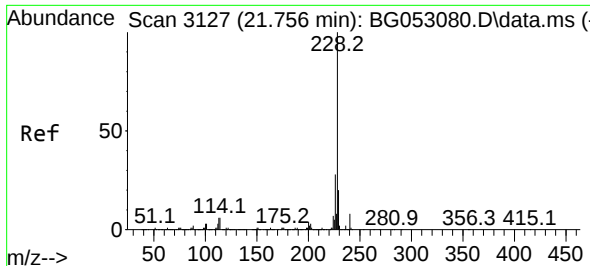
Delta R.T. -0.003 min

Lab File: BG053251.D

Acq: 21 Apr 2022 21:24

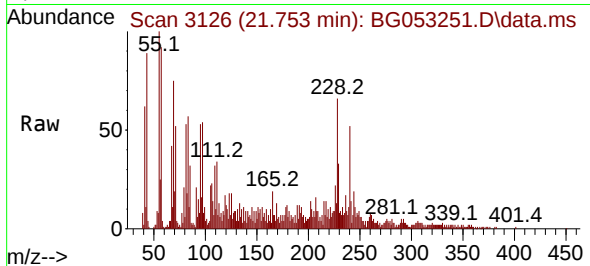
Tgt Ion:	244	Resp:	659655
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.4	8.2
122	6.4	5.8	8.6





#81
Benzo(a)anthracene
Concen: 2.940 ng
RT: 21.753 min Scan# 3127
Delta R.T. -0.003 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24

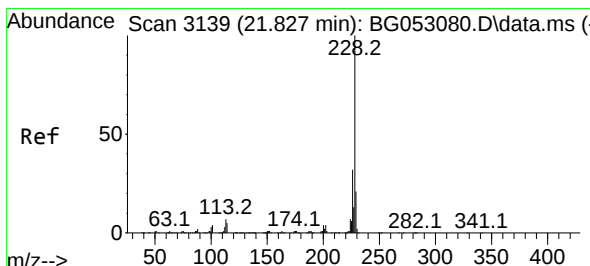
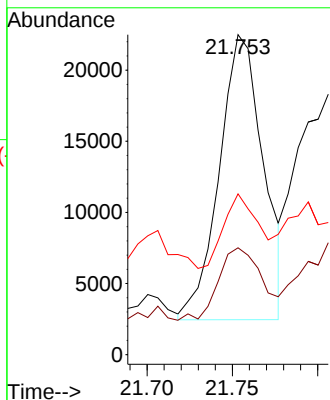
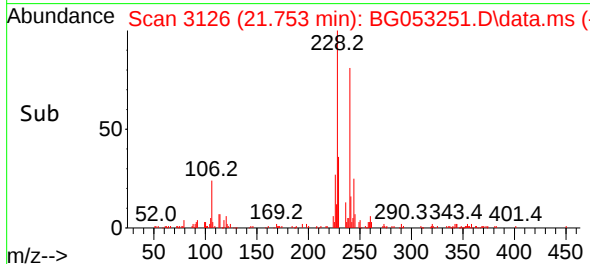
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-3



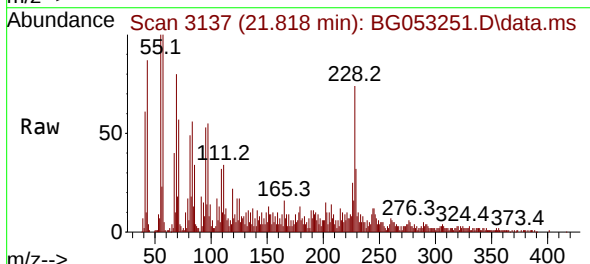
Tgt Ion:228 Resp: 36009
Ion Ratio Lower Upper
228 100
226 33.4 21.4 32.0
229 50.3 16.7 25.1

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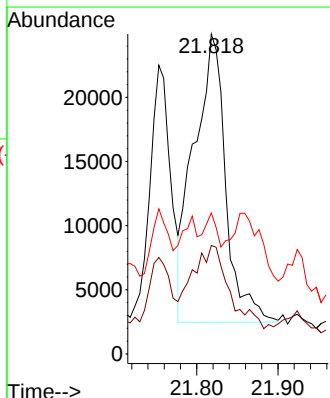
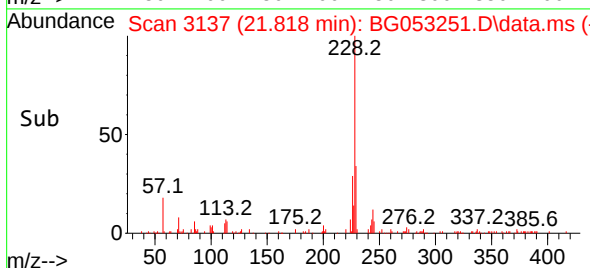
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

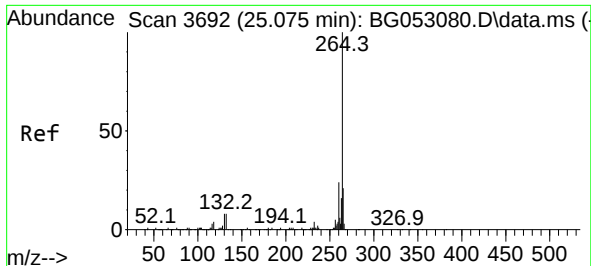


#83
Chrysene
Concen: 5.392 ng
RT: 21.818 min Scan# 3137
Delta R.T. -0.009 min
Lab File: BG053251.D
Acq: 21 Apr 2022 21:24



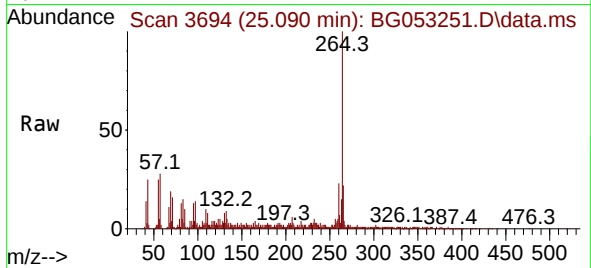
Tgt Ion:228 Resp: 61285
Ion Ratio Lower Upper
228 100
226 33.9 24.2 36.4
229 44.0 16.3 24.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.090 min Scan# 3694
 Delta R.T. 0.015 min
 Lab File: BG053251.D
 Acq: 21 Apr 2022 21:24

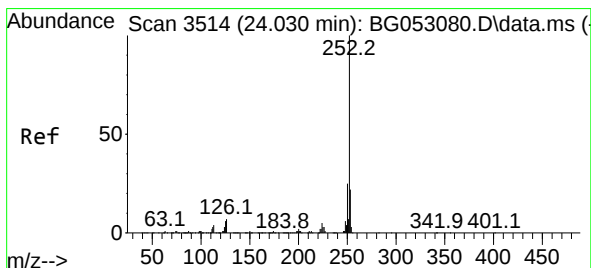
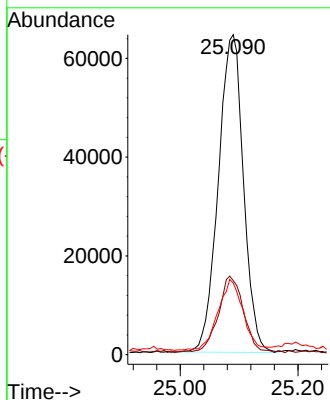
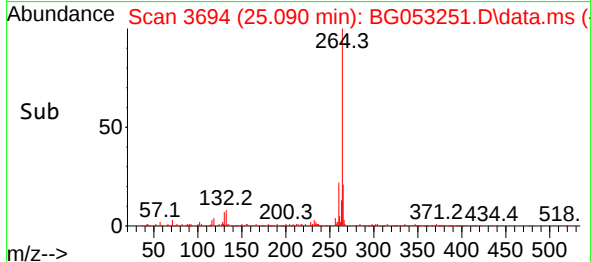
Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-3



Tgt Ion:264 Resp: 190408
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.2 27.2
 265 22.4 15.1 22.7

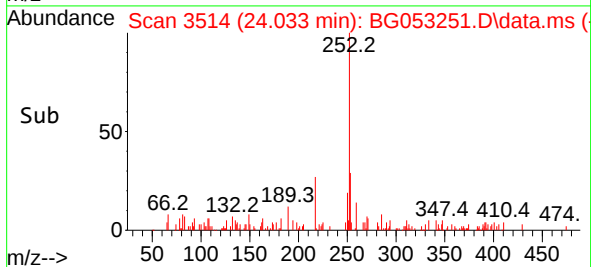
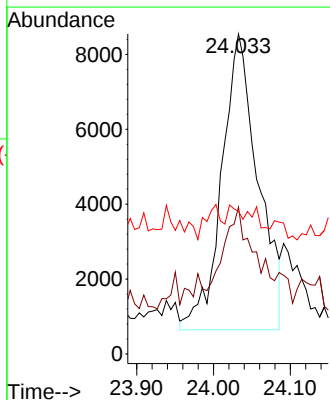
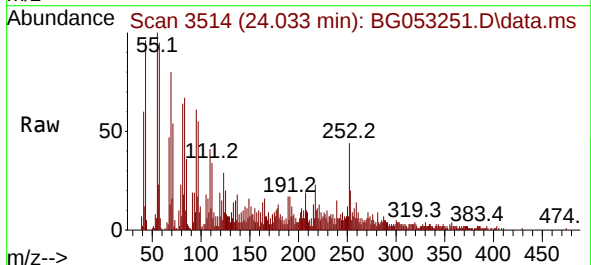
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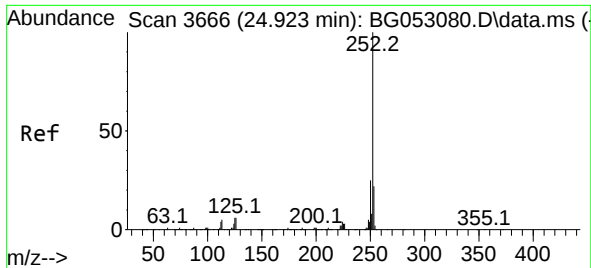
Reviewed By :Christian Giraldo 04/22/2022
 Supervised By :Jagrut Upadhyay 04/22/2022



#88
 Benzo(b)fluoranthene
 Concen: 2.164 ng m
 RT: 24.033 min Scan# 3514
 Delta R.T. 0.003 min
 Lab File: BG053251.D
 Acq: 21 Apr 2022 21:24

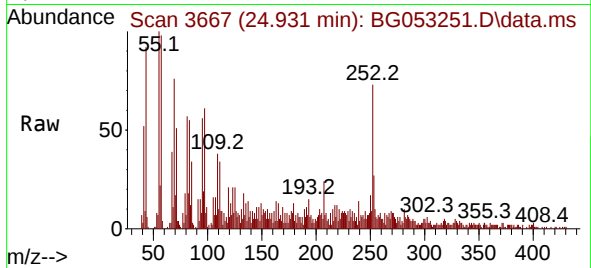
Tgt Ion:252 Resp: 26001
 Ion Ratio Lower Upper
 252 100
 253 45.9 17.2 25.8#
 125 44.6 5.2 7.8#





#90
 Benzo(a)pyrene
 Concen: 3.117 ng
 RT: 24.931 min Scan# 3190
 Delta R.T. 0.009 min
 Lab File: BG053251.D
 Acq: 21 Apr 2022 21:24

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-3



Tgt Ion: 252 Resp: 3190

Ion	Ratio	Lower	Upper
252	100		
253	37.0	18.4	27.6
125	29.5	5.6	8.4

Manual Integrations
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Reviewed By : Christian Giraldo 04/22/2022
 Supervised By : Jagrut Upadhyay 04/22/2022

