

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
 Data File : BG053252.D
 Acq On : 21 Apr 2022 22:03
 Operator : CG/JU
 Sample : N2480-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-4

Manual Integrations
 APPROVED

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

Quant Time: Apr 22 02:58:08 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	8.116	152	30882	20.000	ng	0.00
21) Naphthalene-d8	10.924	136	122433	20.000	ng	#-0.01
39) Acenaphthene-d10	14.737	164	82053	20.000	ng	-0.01
64) Phenanthrene-d10	17.486	188	166279	20.000	ng	0.00
76) Chrysene-d12	21.774	240	167924	20.000	ng	0.00
86) Perylene-d12	25.082	264	177089	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	133099	73.880	ng	0.00
7) Phenol-d6	7.276	99	195405	70.335	ng	0.00
23) Nitrobenzene-d5	9.280	82	139700	46.330	ng	0.00
42) 2,4,6-Tribromophenol	16.229	330	86181	66.017	ng	0.00
45) 2-Fluorobiphenyl	13.362	172	307196	51.624	ng	0.00
79) Terphenyl-d14	20.088	244	453839	45.645	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.575	142	11972	2.477	ng	# 83
38) 1-Methylnaphthalene	12.792	142	17638m	3.738	ng	
58) Fluorene	15.782	166	22606	3.572	ng	# 92
71) Phenanthrene	17.527	178	66906	7.367	ng	# 92
78) Pyrene	19.900	202	69511	5.812	ng	# 92
81) Benzo(a)anthracene	21.757	228	47556	4.142	ng	# 69
83) Chrysene	21.821	228	70223	6.590	ng	# 77
88) Benzo(b)fluoranthene	24.024	252	30285	2.710	ng	# 69
90) Benzo(a)pyrene	24.923	252	41825	4.394	ng	# 85
92) Benzo(g,h,i)perylene	30.034	276	47969	4.494	ng	96

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

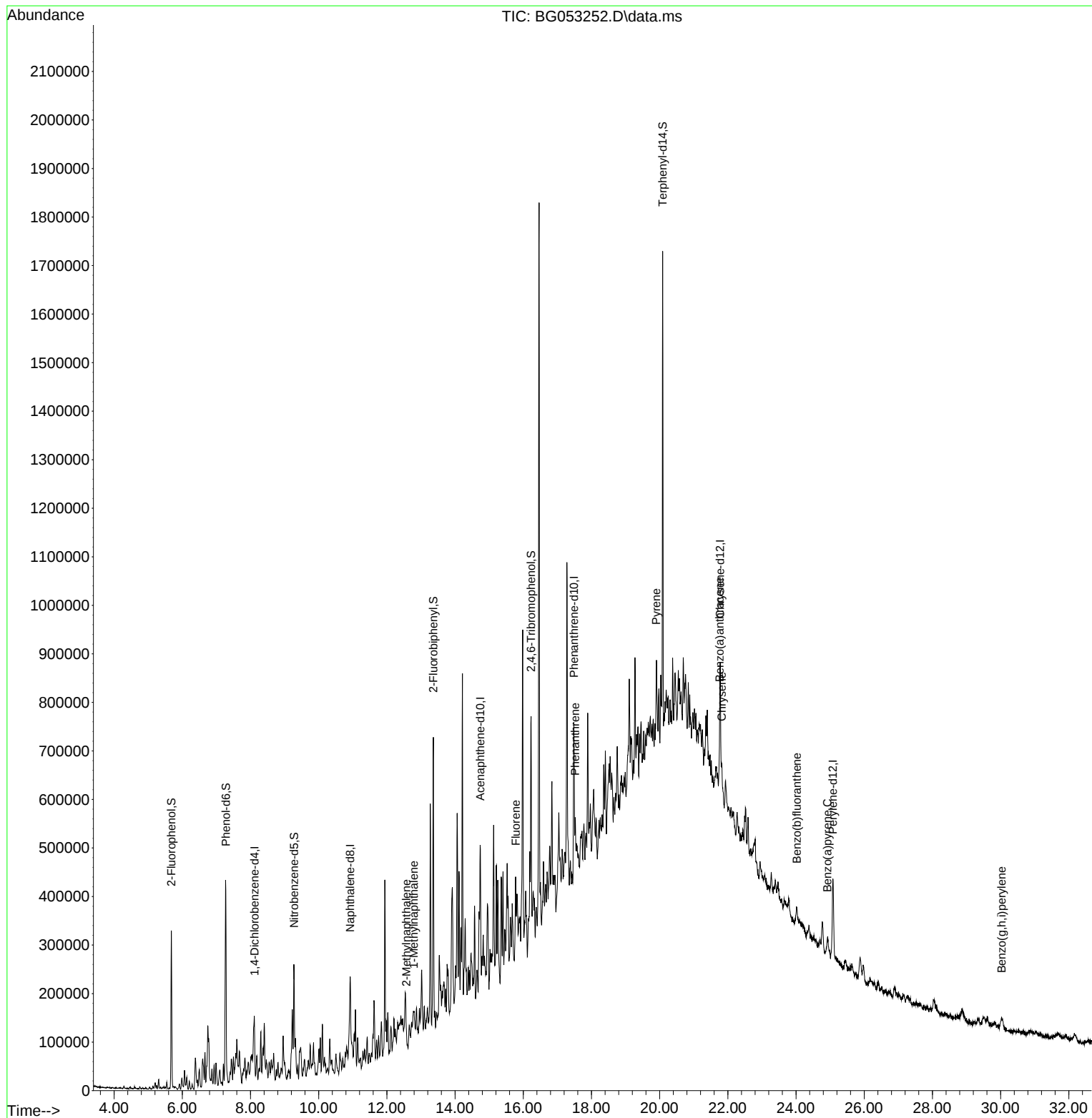
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042122\
Data File : BG053252.D
Acq On : 21 Apr 2022 22:03
Operator : CG/JU
Sample : N2480-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

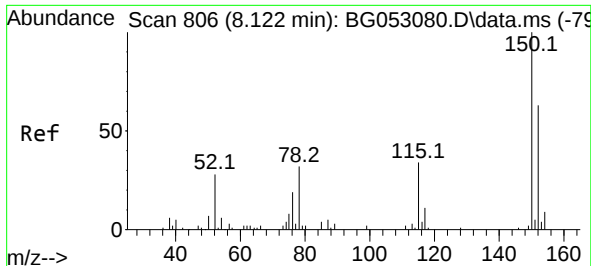
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
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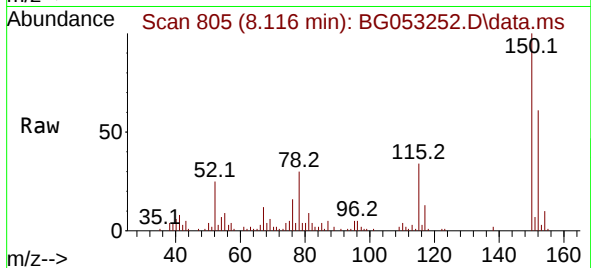
Reviewed By : Christian Giraldo 04/22/2022
Supervised By : Jagrut Upadhyay 04/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.116 min Scan# 806
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

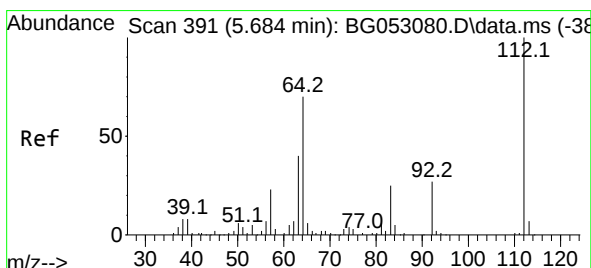
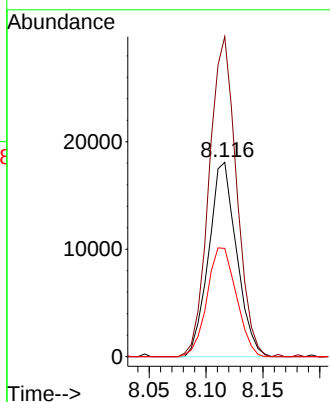
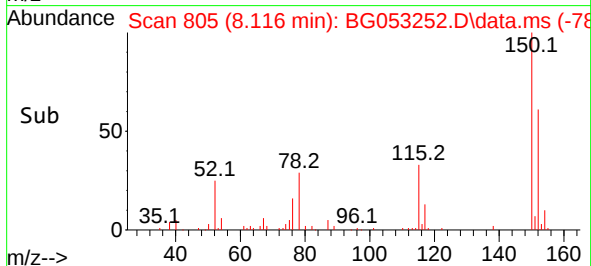
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4



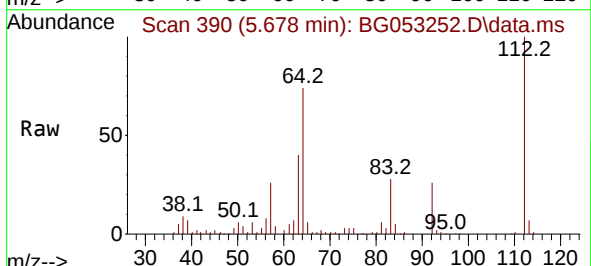
Tgt Ion:152 Resp: 3088
Ion Ratio Lower Upper
152 100
150 164.6 114.6 172.0
115 55.7 45.9 68.9

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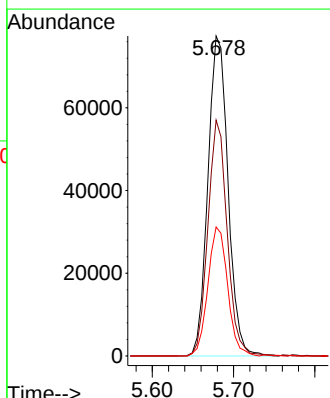
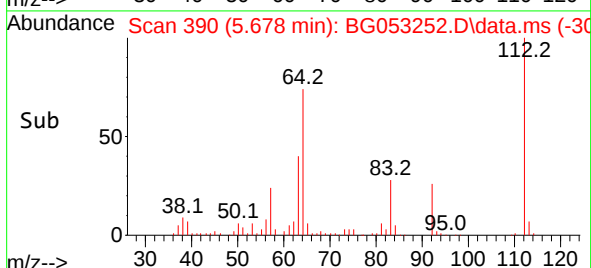
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

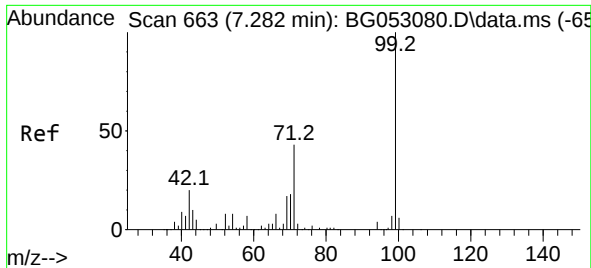


#5
2-Fluorophenol
Concen: 73.880 ng
RT: 5.678 min Scan# 390
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03



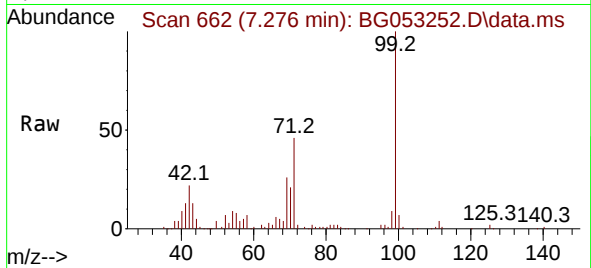
Tgt Ion:112 Resp: 133099
Ion Ratio Lower Upper
112 100
64 73.7 48.0 72.0#
63 40.3 26.5 39.7#





#7
Phenol-d6
Concen: 70.335 ng
RT: 7.276 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

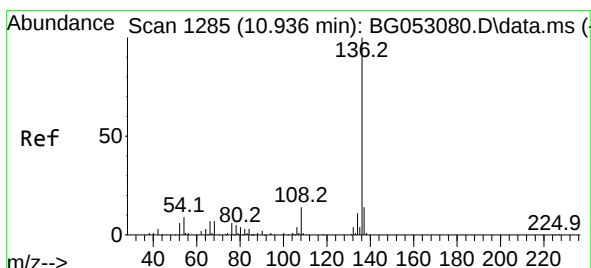
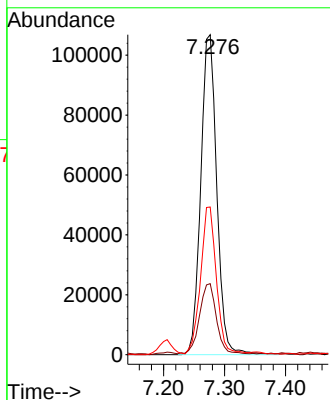
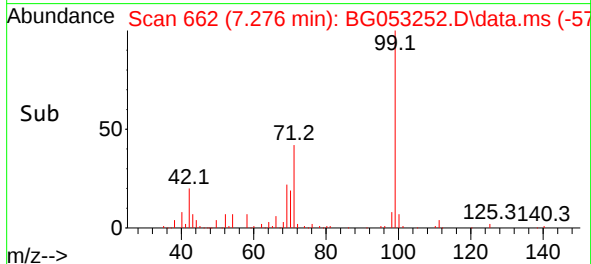
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4



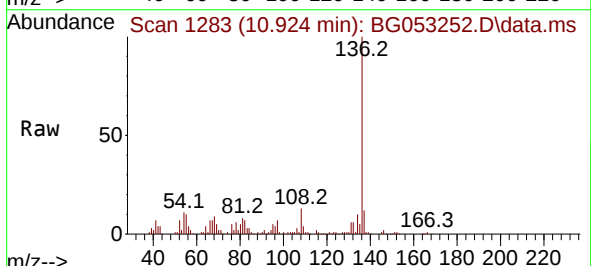
Tgt Ion: 99 Resp: 19540
Ion Ratio Lower Upper
99 100
42 22.2 14.7 22.1
71 46.2 29.2 43.8

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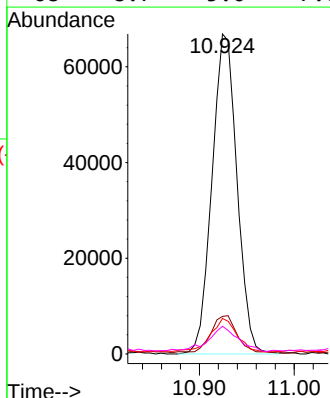
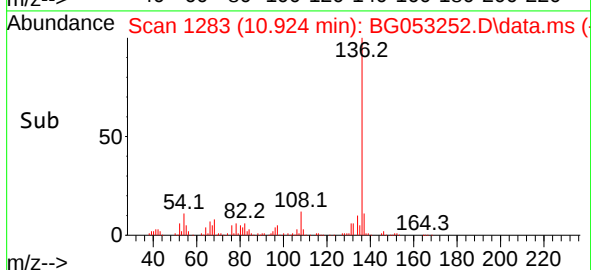
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

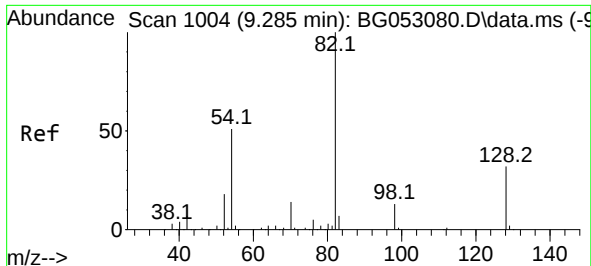


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.924 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03



Tgt Ion:136 Resp: 122433
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.2
54 11.1 6.4 9.6#
68 8.7 5.0 7.6#





#23

Nitrobenzene-d5

Concen: 46.330 ng

RT: 9.280 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-4

Tgt Ion: 82 Resp: 139700

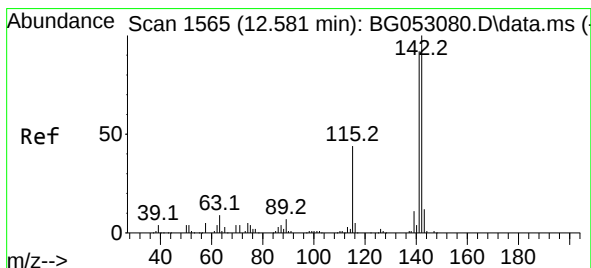
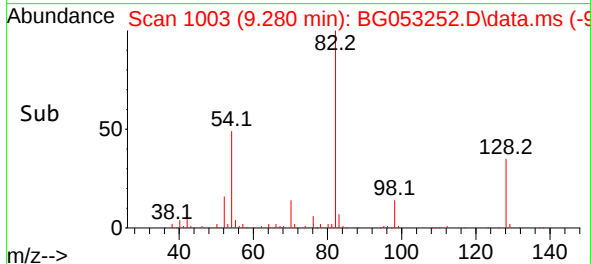
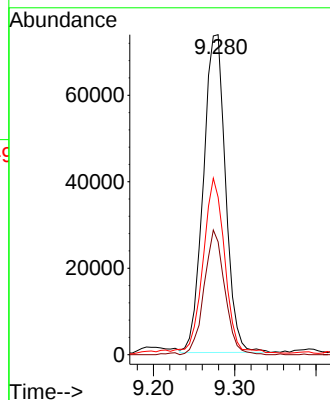
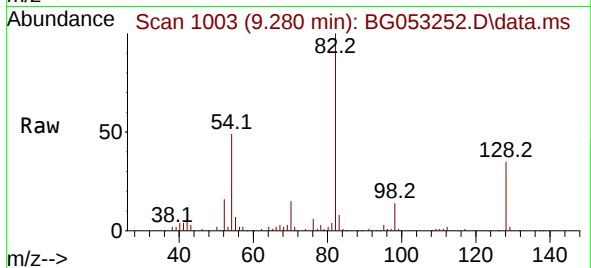
Ion	Ratio	Lower	Upper
82	100		
128	35.3	31.3	46.9
54	49.2	37.8	56.8

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#37

2-Methylnaphthalene

Concen: 2.477 ng

RT: 12.575 min Scan# 1564

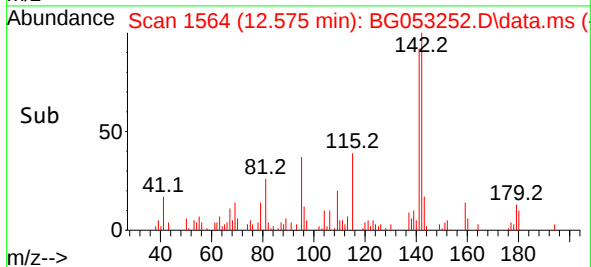
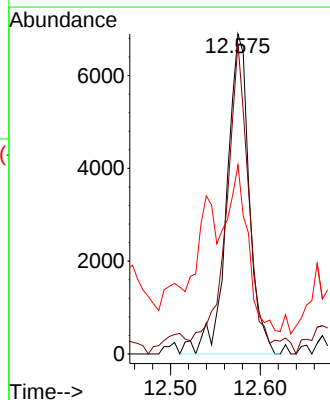
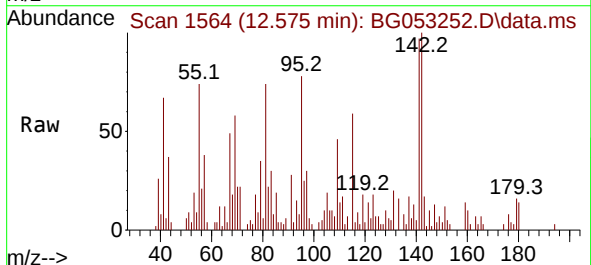
Delta R.T. -0.006 min

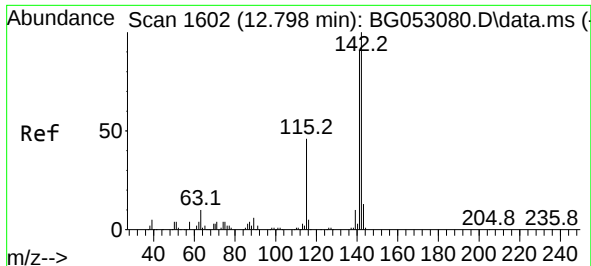
Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Tgt Ion:142 Resp: 11972

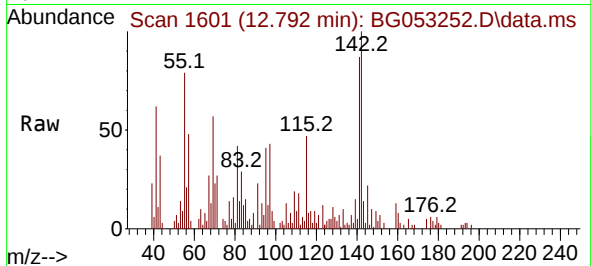
Ion	Ratio	Lower	Upper
142	100		
141	97.1	71.3	106.9
115	59.0	29.5	44.3





#38
1-Methylnaphthalene
Concen: 3.738 ng m
RT: 12.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

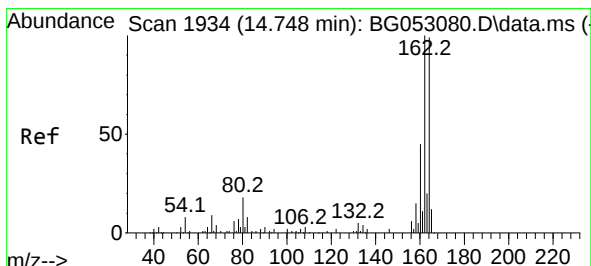
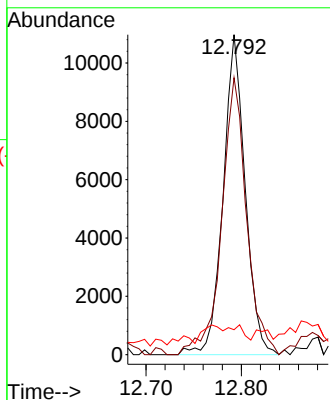
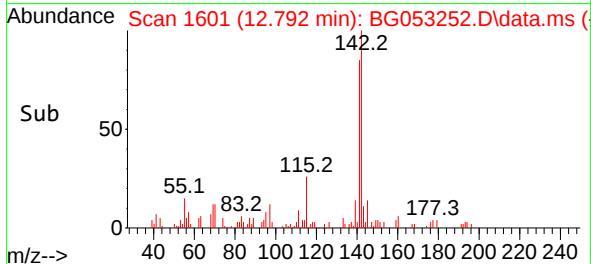
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4



Tgt Ion:142 Resp: 1763
Ion Ratio Lower Upper
142 100
141 86.5 70.5 105.7
116 7.8 3.1 4.7

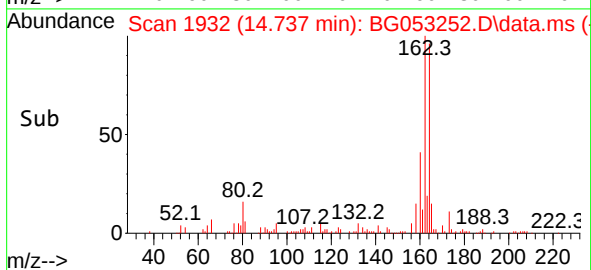
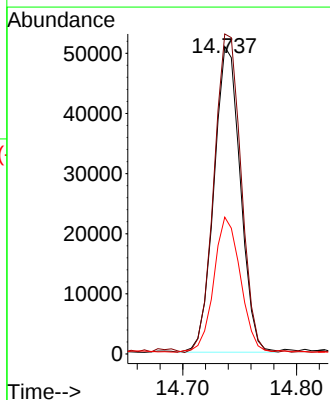
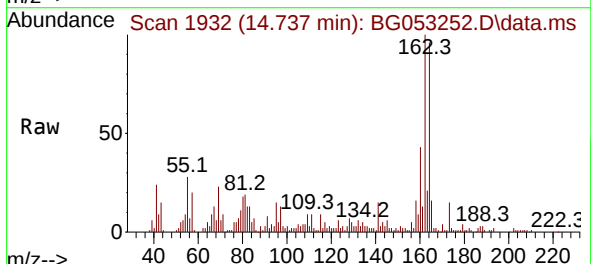
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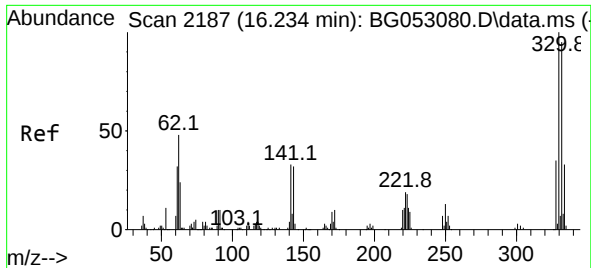
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.737 min Scan# 1932
Delta R.T. -0.011 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Tgt Ion:164 Resp: 82053
Ion Ratio Lower Upper
164 100
162 104.1 80.0 120.0
160 44.5 38.8 58.2





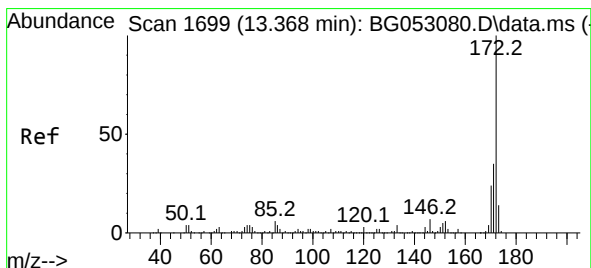
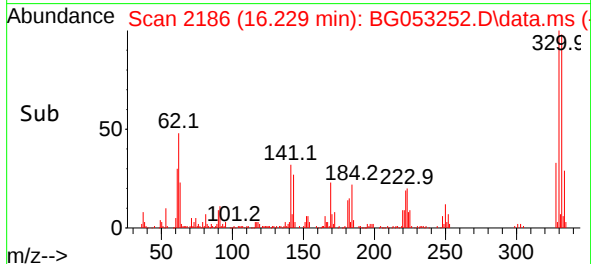
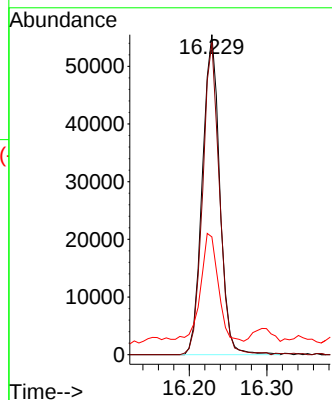
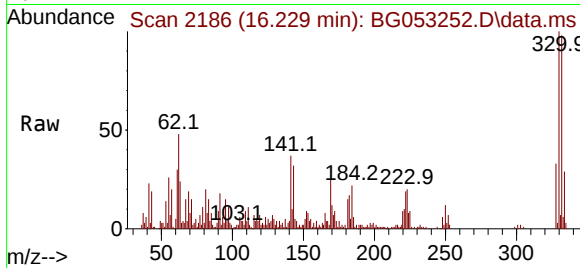
#42
2,4,6-Tribromophenol
Concen: 66.017 ng
RT: 16.229 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4

Tgt Ion:330 Resp: 8618
Ion Ratio Lower Upper
330 100
332 93.9 75.8 113.6
141 34.0 24.6 36.8

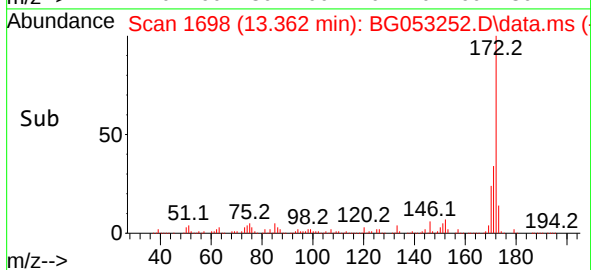
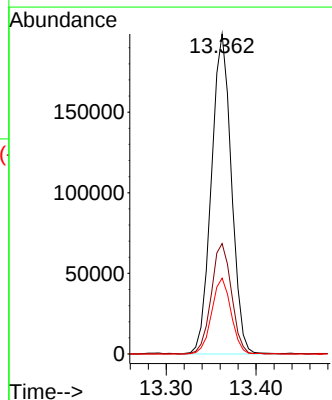
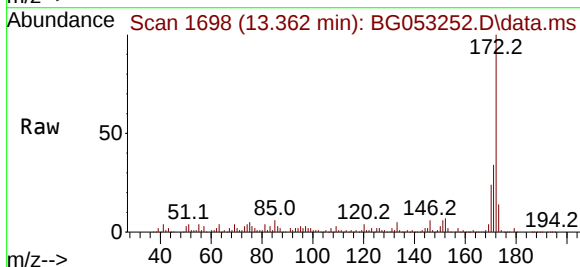
Manual Integrations
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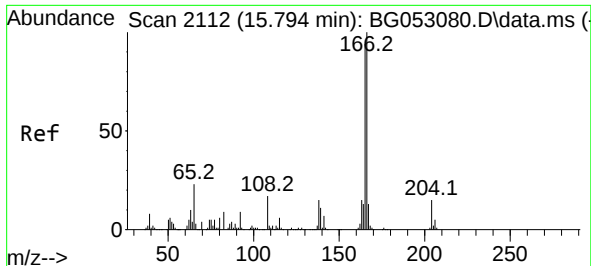
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#45
2-Fluorobiphenyl
Concen: 51.624 ng
RT: 13.362 min Scan# 1698
Delta R.T. -0.005 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

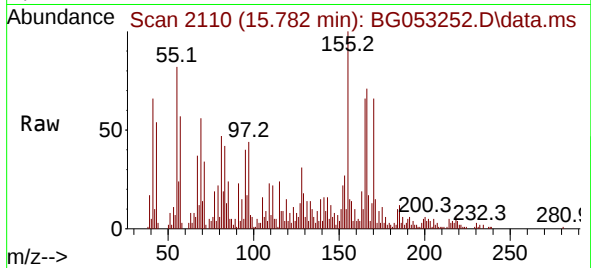
Tgt Ion:172 Resp: 307196
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 23.7 18.0 27.0





#58
Fluorene
Concen: 3.572 ng
RT: 15.782 min Scan# 2110
Delta R.T. -0.011 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

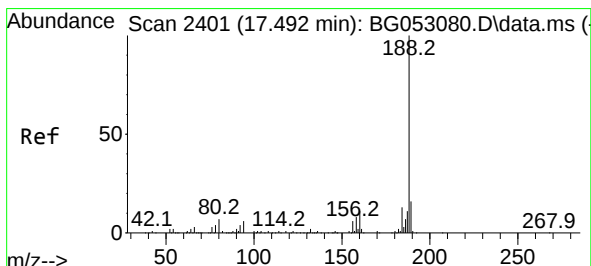
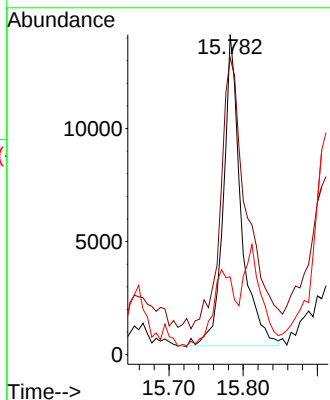
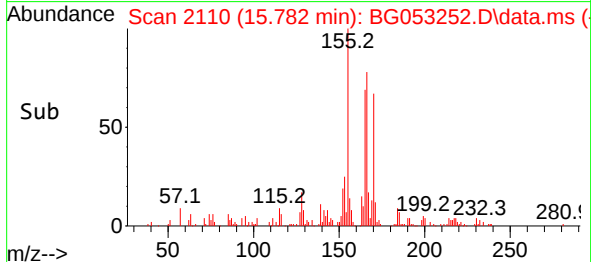
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WC-16-1A-4



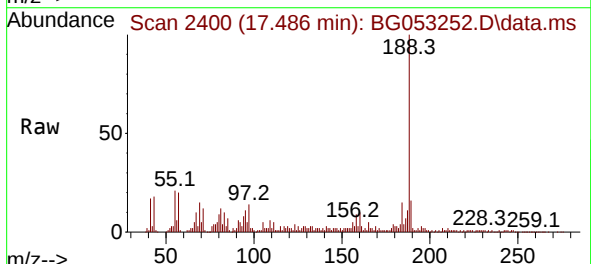
Tgt Ion:166 Resp: 22600
Ion Ratio Lower Upper
166 100
165 92.7 78.6 117.8
167 24.3 10.9 16.3

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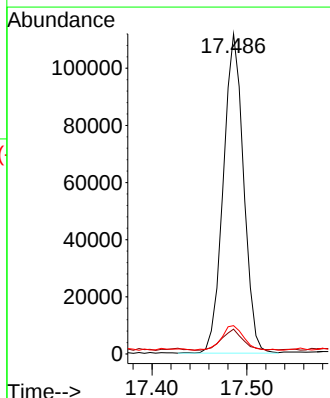
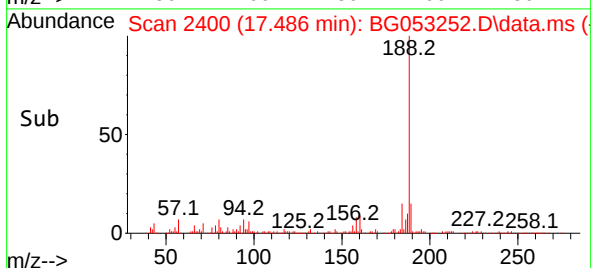
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

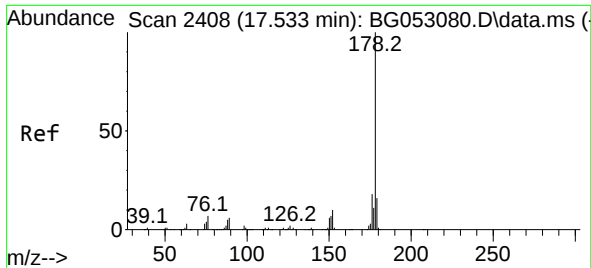


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.486 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03



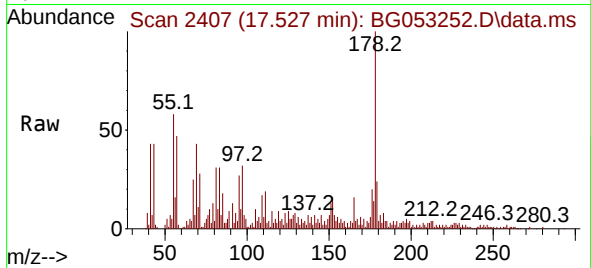
Tgt Ion:188 Resp: 166279
Ion Ratio Lower Upper
188 100
94 7.8 5.7 8.5
80 8.8 7.2 10.8





#71
Phenanthrene
Concen: 7.367 ng
RT: 17.527 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

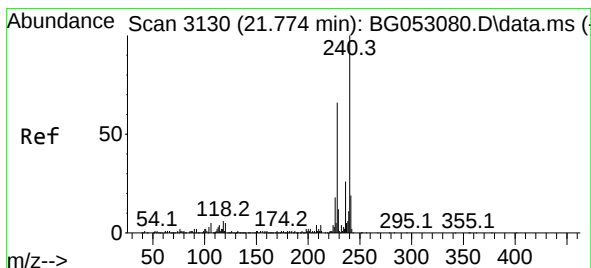
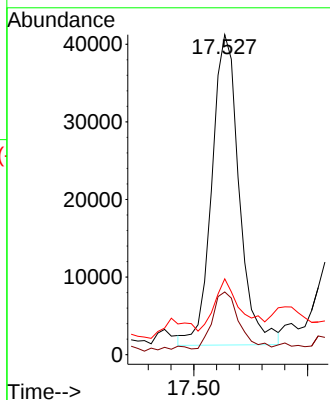
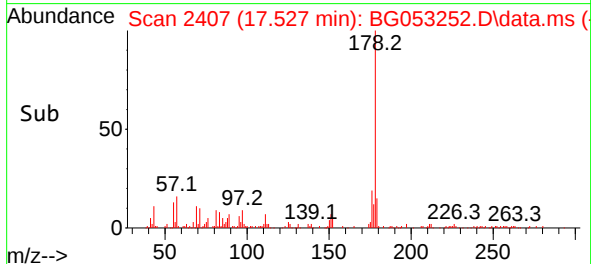
Instrument :
BNA_G
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WC-16-1A-4



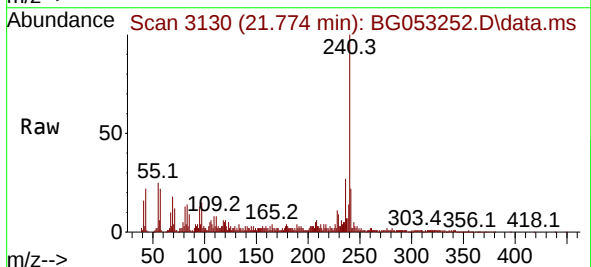
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Ion Ratio Lower Upper
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176 19.6 15.9 23.9
179 23.7 13.4 20.2

Manual Integrations
APPROVED

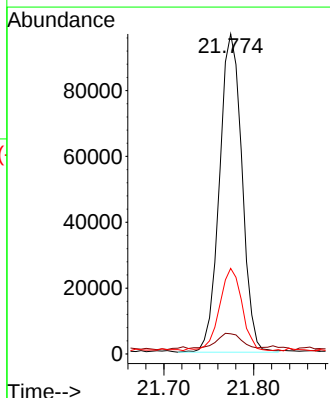
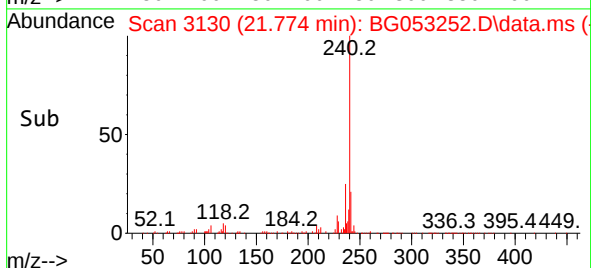
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022

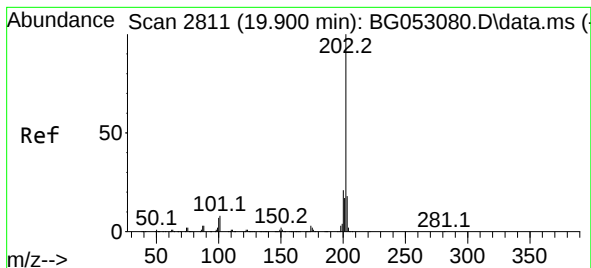


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.774 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03



Tgt Ion:240 Resp: 167924
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.0
236 26.8 19.8 29.6





#78

Pyrene

Concen: 5.812 ng

RT: 19.900 min Scan# 2811

Delta R.T. 0.000 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-4

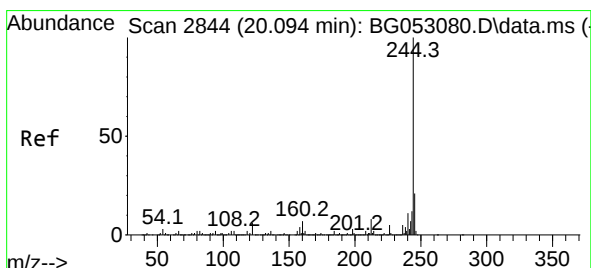
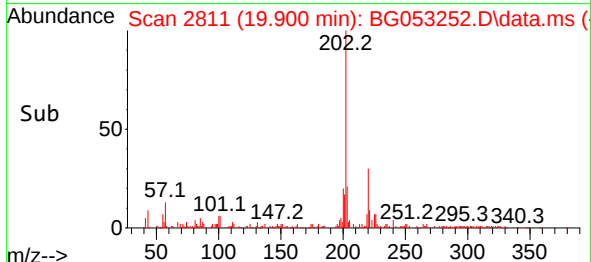
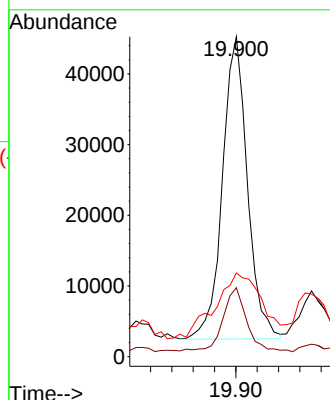
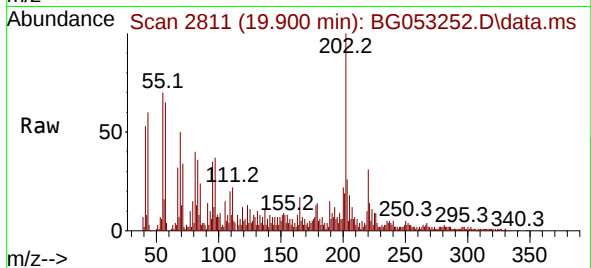
Tgt Ion:	202	Resp:	6951
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.0	25.6
203	26.2	15.0	22.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/22/2022

Supervised By :Jagrut Upadhyay 04/22/2022



#79

Terphenyl-d14

Concen: 45.645 ng

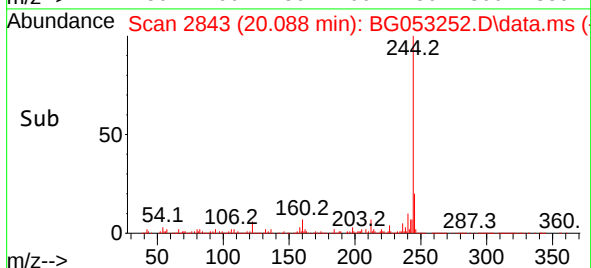
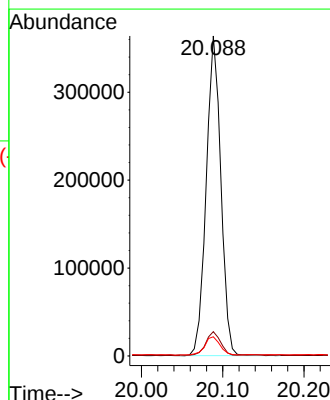
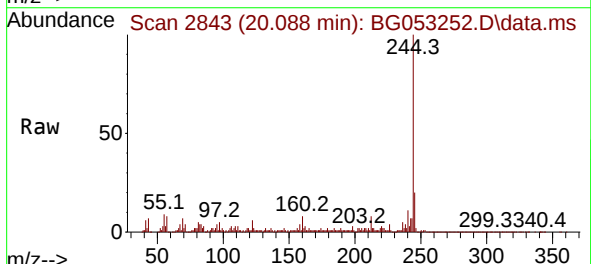
RT: 20.088 min Scan# 2843

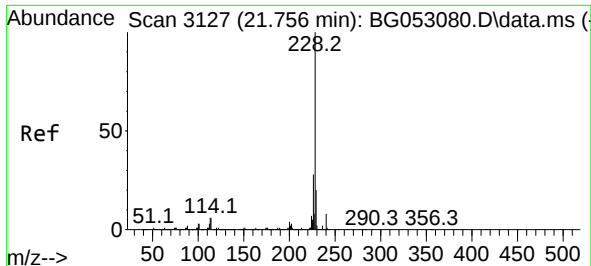
Delta R.T. -0.006 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

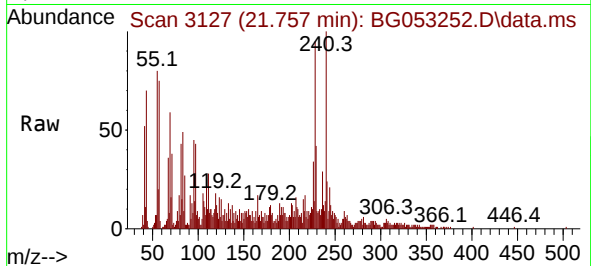
Tgt Ion:	244	Resp:	453839
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.4	8.2
122	6.0	5.8	8.6





#81
Benzo(a)anthracene
Concen: 4.142 ng
RT: 21.757 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

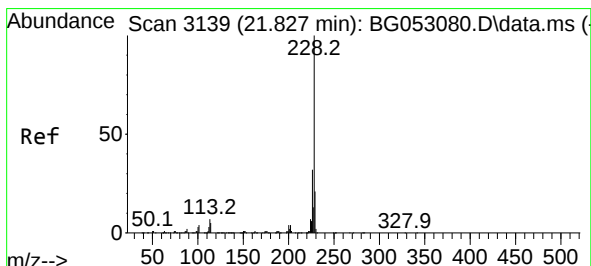
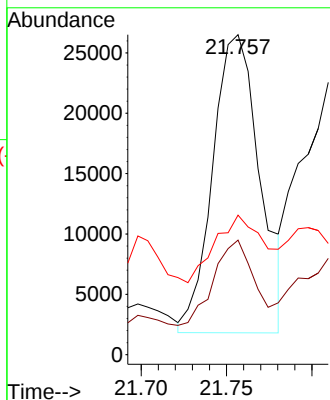
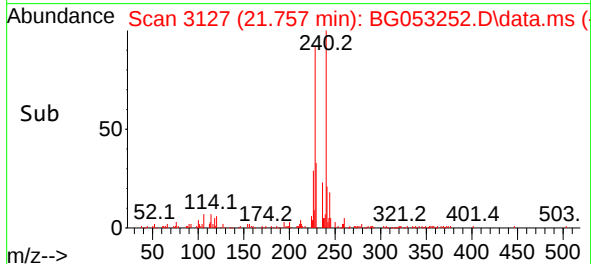
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-4



Tgt Ion:228 Resp: 47550
Ion Ratio Lower Upper
228 100
226 35.8 21.4 32.0
229 43.6 16.7 25.1

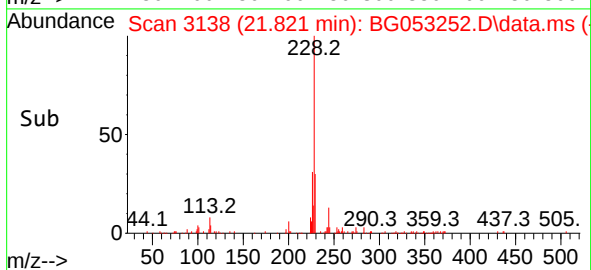
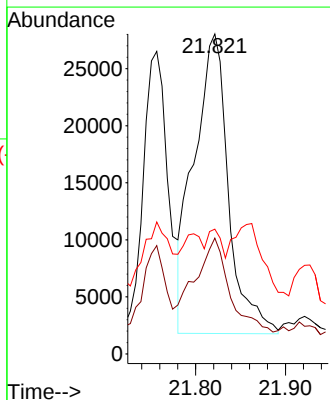
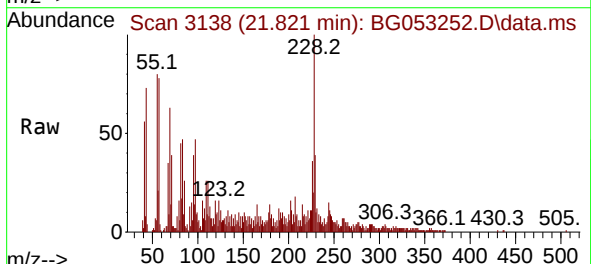
Manual Integrations
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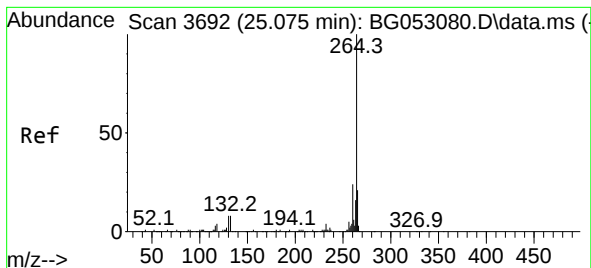
Reviewed By :Christian Giraldo 04/22/2022
Supervised By :Jagrut Upadhyay 04/22/2022



#83
Chrysene
Concen: 6.590 ng
RT: 21.821 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BG053252.D
Acq: 21 Apr 2022 22:03

Tgt Ion:228 Resp: 70223
Ion Ratio Lower Upper
228 100
226 36.2 24.2 36.4
229 39.0 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.082 min Scan# 30

Delta R.T. 0.006 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-4

Tgt Ion:264 Resp: 177089

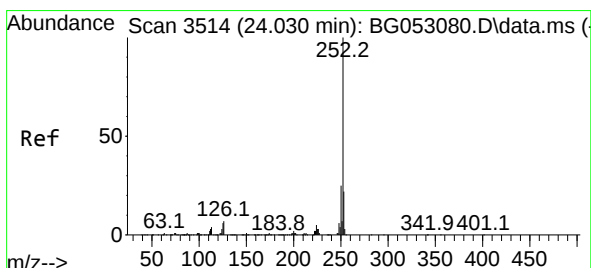
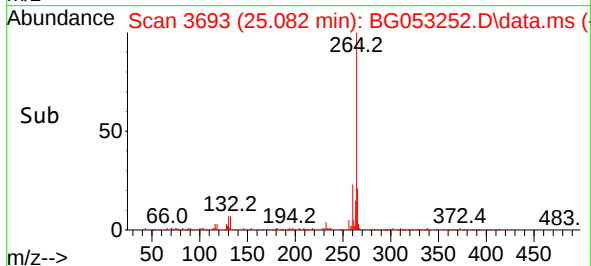
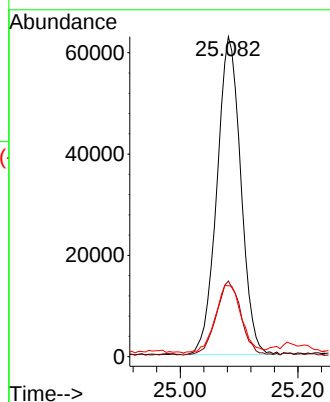
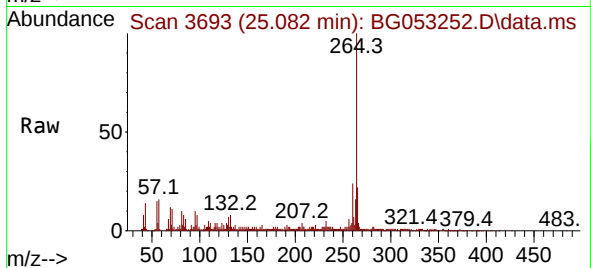
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	22.1	15.1	22.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/22/2022

Supervised By :Jagrut Upadhyay 04/22/2022



#88

Benzo(b)fluoranthene

Concen: 2.710 ng

RT: 24.024 min Scan# 3513

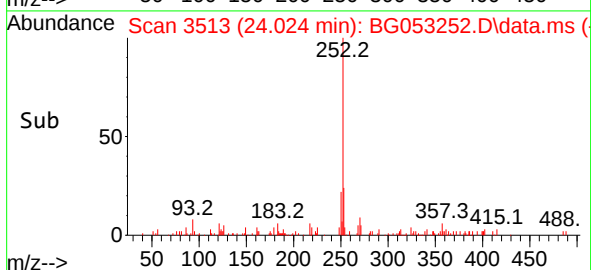
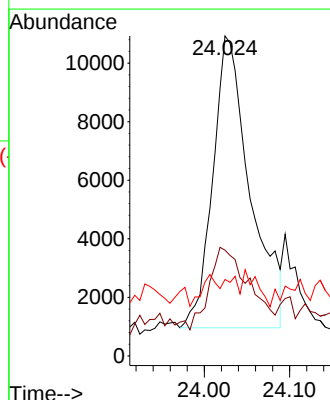
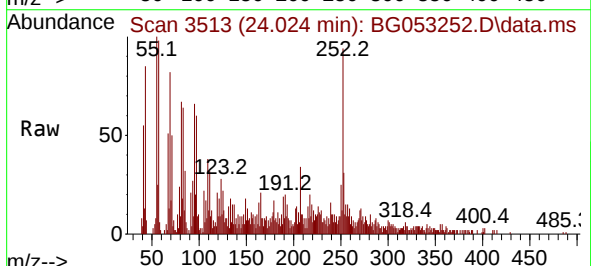
Delta R.T. -0.006 min

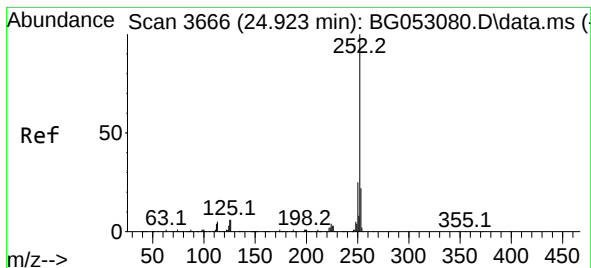
Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Tgt Ion:252 Resp: 30285

Ion	Ratio	Lower	Upper
252	100		
253	33.0	17.2	25.8#
125	23.9	5.2	7.8#





#90

Benzo(a)pyrene

Concen: 4.394 ng

RT: 24.923 min Scan# 30

Delta R.T. 0.000 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-4

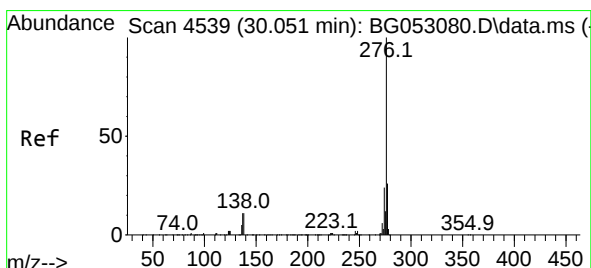
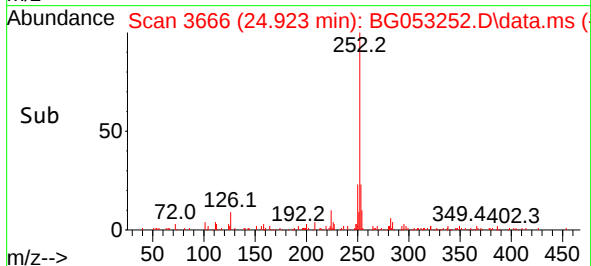
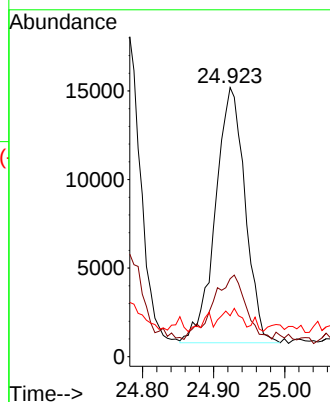
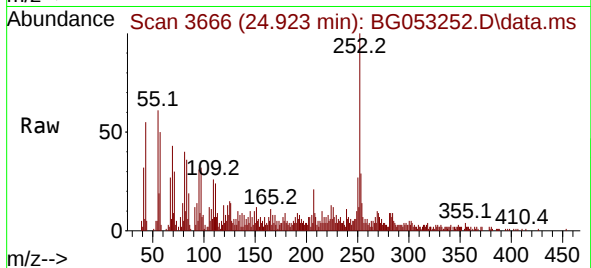
Tgt Ion:	252	Resp:	4182
Ion Ratio	Lower	Upper	
252	100		
253	29.0	18.4	27.6
125	15.2	5.6	8.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/22/2022

Supervised By :Jagrut Upadhyay 04/22/2022



#92

Benzo(g,h,i)perylene

Concen: 4.494 ng

RT: 30.034 min Scan# 4536

Delta R.T. -0.017 min

Lab File: BG053252.D

Acq: 21 Apr 2022 22:03

Tgt Ion:	276	Resp:	47969
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.2	27.2
138	12.9	9.1	13.7

