

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053292.D
 Acq On : 23 Apr 2022 14:26
 Operator : CG/JU
 Sample : N2514-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-1A-6

Manual Integrations
 APPROVED

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

Quant Time: Apr 24 02:49:09 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	8.105	152	31068	20.000	ng	0.00
21) Naphthalene-d8	10.919	136	119130	20.000	ng	# 0.00
39) Acenaphthene-d10	14.731	164	80025	20.000	ng	0.00
64) Phenanthrene-d10	17.480	188	155671	20.000	ng	# 0.00
76) Chrysene-d12	21.769	240	157526	20.000	ng	# 0.00
86) Perylene-d12	25.082	264	165917	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.673	112	262424	144.793	ng	0.00
7) Phenol-d6	7.271	99	377081	134.916	ng	0.00
23) Nitrobenzene-d5	9.268	82	277021	94.418	ng	0.00
42) 2,4,6-Tribromophenol	16.223	330	155320	121.995	ng	0.00
45) 2-Fluorobiphenyl	13.357	172	567361	97.762	ng	0.00
79) Terphenyl-d14	20.083	244	849489	91.077	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.569	142	18554	3.945	ng	# 95
38) 1-Methylnaphthalene	12.781	142	17817	3.881	ng	# 96
71) Phenanthrene	17.522	178	39443m	4.639	ng	
78) Pyrene	19.895	202	62194	5.544	ng	# 82
81) Benzo(a)anthracene	21.751	228	77076	7.156	ng	# 80
83) Chrysene	21.816	228	102738	10.278	ng	# 84
87) Indeno(1,2,3-cd)pyrene	28.871	276	57279	4.647	ng	# 56
88) Benzo(b)fluoranthene	24.025	252	64823m	6.192	ng	
90) Benzo(a)pyrene	24.923	252	106412	11.932	ng	# 89
91) Dibenzo(a,h)anthracene	28.906	278	60975	6.010	ng	# 85
92) Benzo(g,h,i)perylene	30.052	276	113908	11.391	ng	96

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

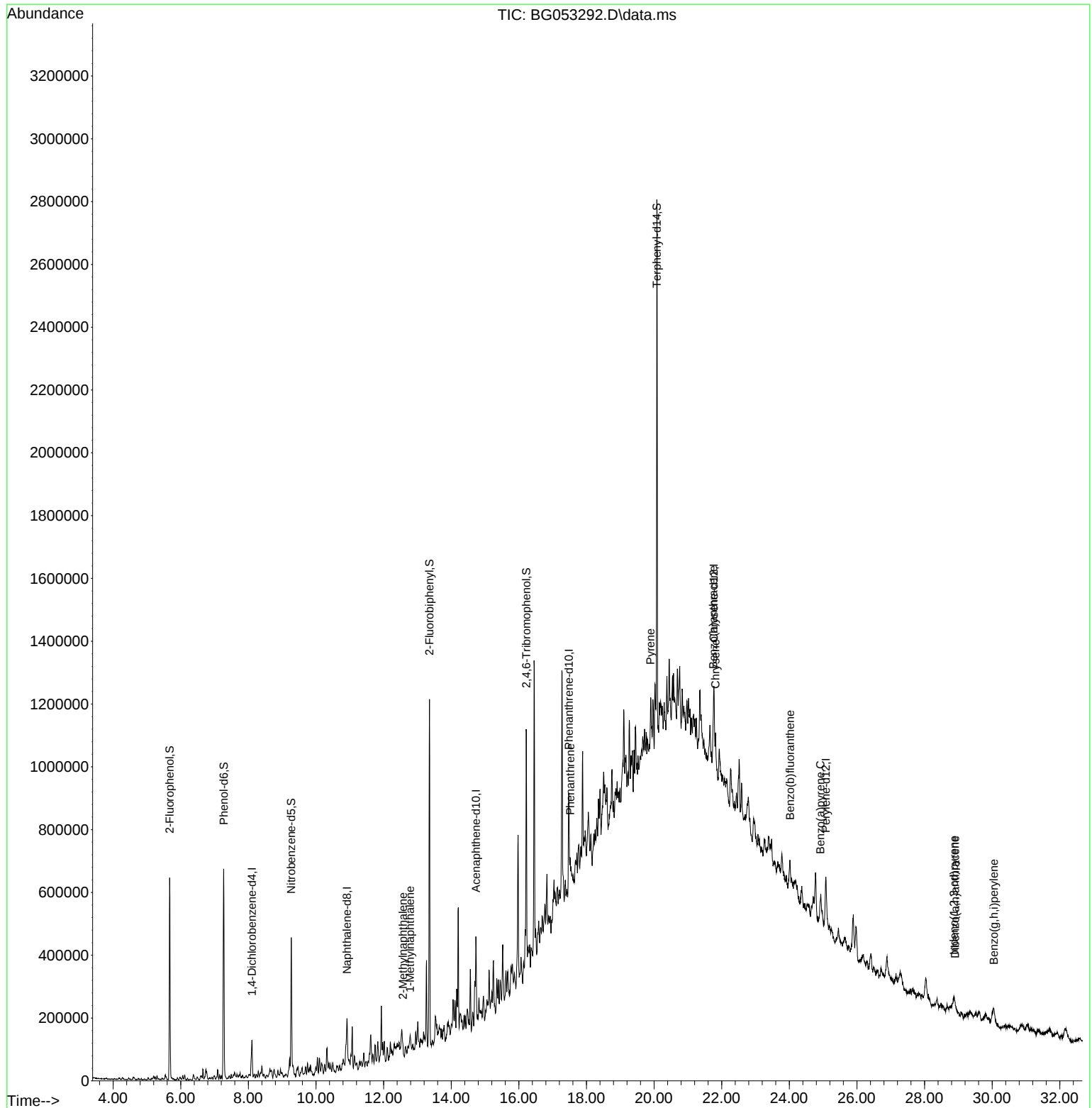
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
Data File : BG053292.D
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Operator : CG/JU
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ALS Vial : 8 Sample Multiplier: 1

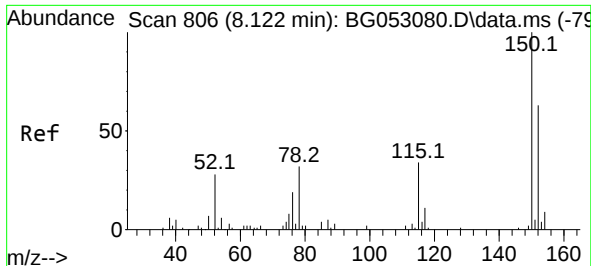
Instrument :
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WC-16-1A-6

Quant Time: Apr 24 02:49:09 2022
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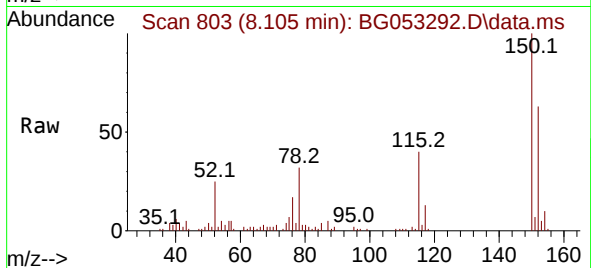
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.105 min Scan# 806
Delta R.T. -0.008 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-6

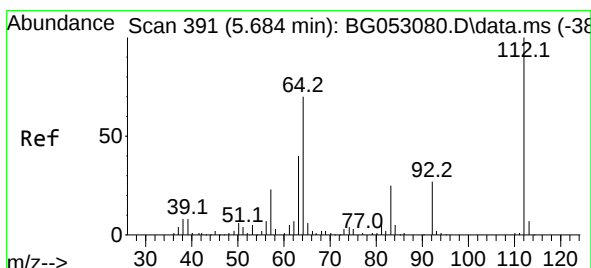
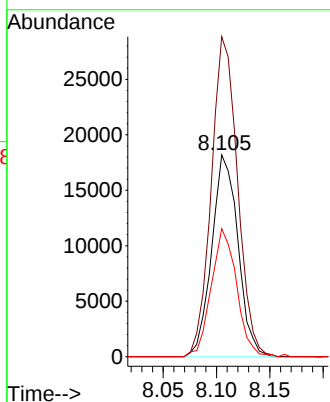
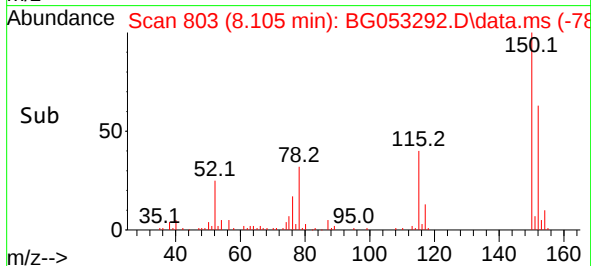


Tgt Ion:152 Resp: 31068
Ion Ratio Lower Upper
152 100
150 158.6 114.6 172.0
115 63.4 45.9 68.9

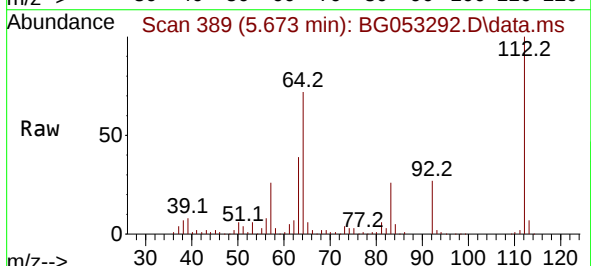
Manual Integrations

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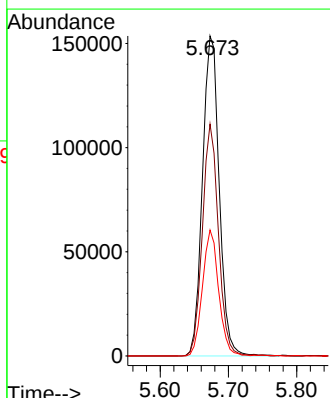
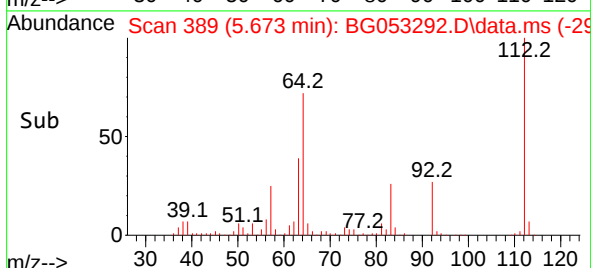
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

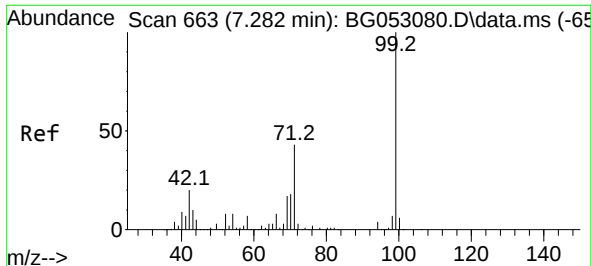


#5
2-Fluorophenol
Concen: 144.793 ng
RT: 5.673 min Scan# 389
Delta R.T. -0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26



Tgt Ion:112 Resp: 262424
Ion Ratio Lower Upper
112 100
64 72.5 48.0 72.0#
63 39.4 26.5 39.7





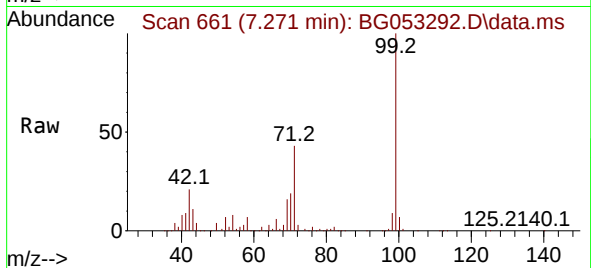
#7
Phenol-d6
Concen: 134.916 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

Instrument :

BNA_G

ClientSampleId :

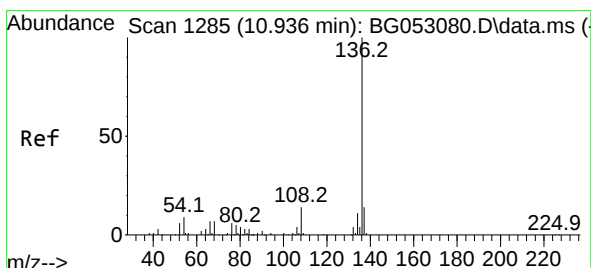
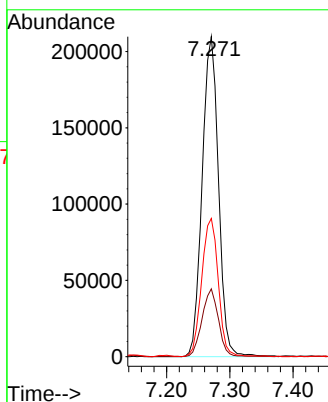
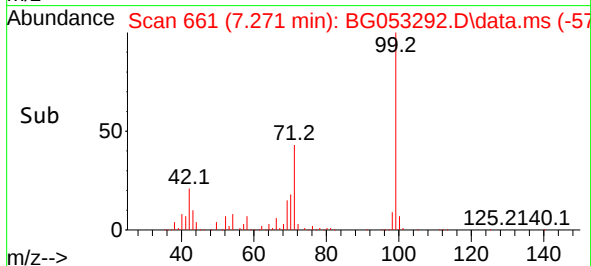
WC-16-1A-6



Tgt Ion: 99 Resp: 37708
Ion Ratio Lower Upper
99 100
42 21.2 14.7 22.1
71 43.2 29.2 43.8

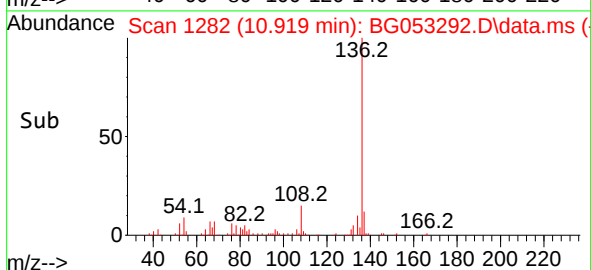
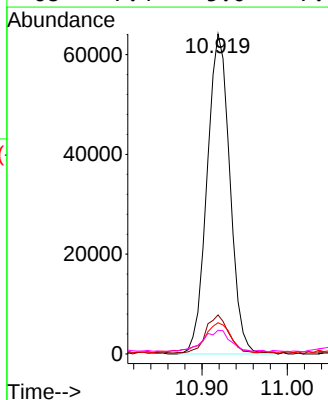
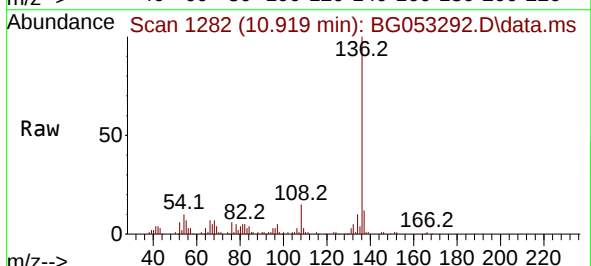
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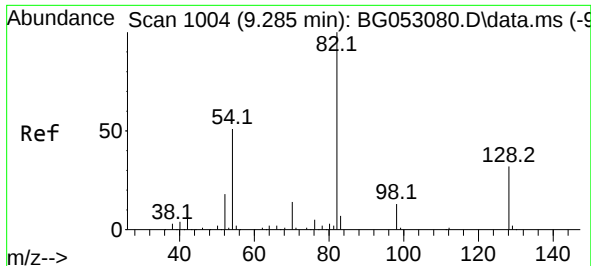
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.919 min Scan# 1282
Delta R.T. -0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

Tgt Ion:136 Resp: 119130
Ion Ratio Lower Upper
136 100
137 12.2 9.4 14.2
54 9.7 6.4 9.6#
68 7.4 5.0 7.6





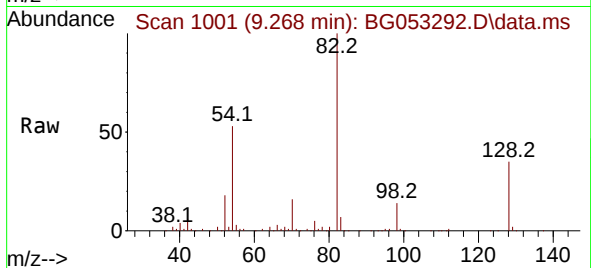
#23
Nitrobenzene-d5
Concen: 94.418 ng
RT: 9.268 min Scan# 1001
Delta R.T. -0.009 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-6

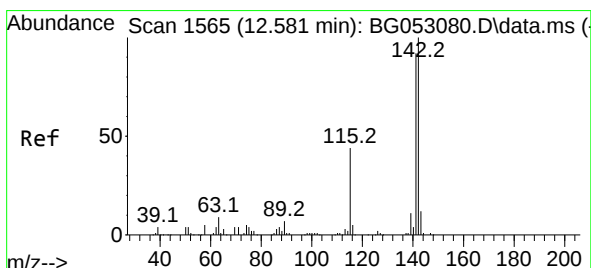
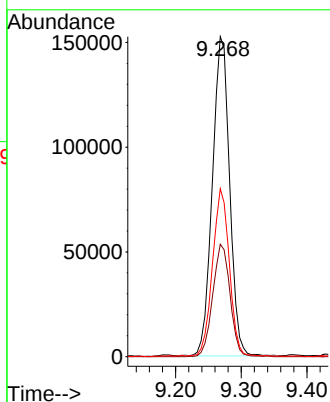
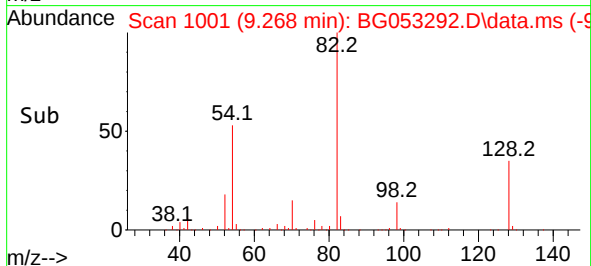


Tgt Ion: 82 Resp: 27702
Ion Ratio Lower Upper
82 100
128 35.1 31.3 46.9
54 52.5 37.8 56.8

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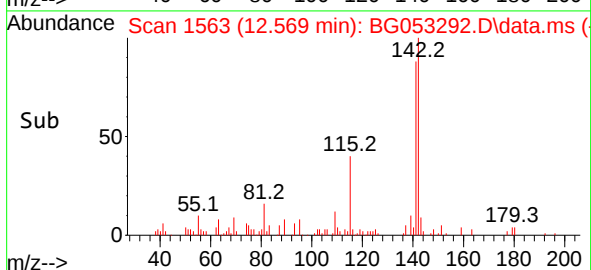
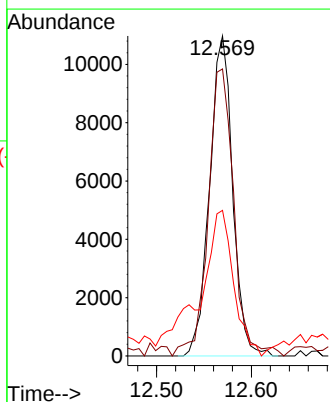
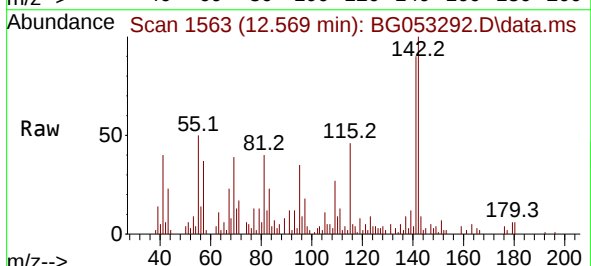
APPROVED

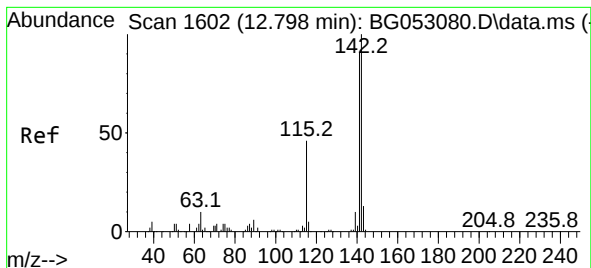
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#37
2-Methylnaphthalene
Concen: 3.945 ng
RT: 12.569 min Scan# 1563
Delta R.T. -0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

Tgt Ion:142 Resp: 18554
Ion Ratio Lower Upper
142 100
141 89.7 71.3 106.9
115 45.5 29.5 44.3#





#38

1-Methylnaphthalene

Concen: 3.881 ng

RT: 12.781 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG053292.D

Acq: 23 Apr 2022 14:26

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-6

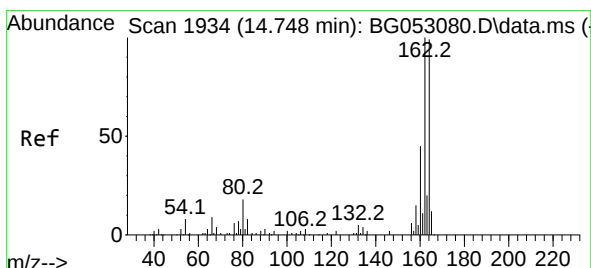
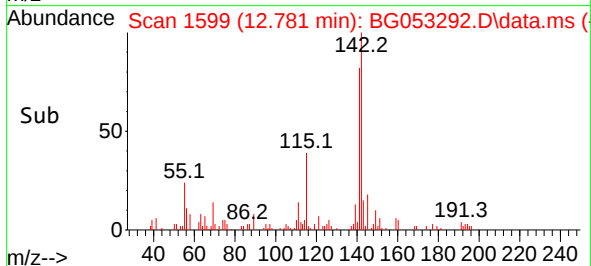
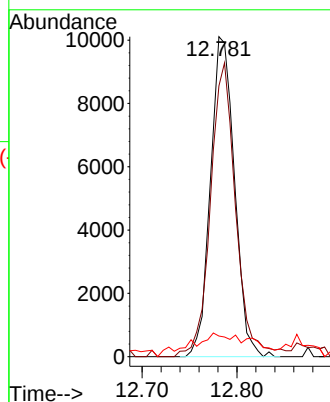
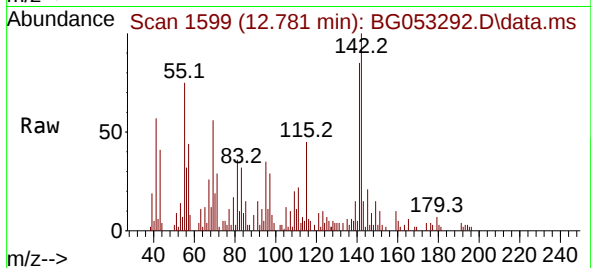
Tgt Ion:	142	Resp:	1781
Ion Ratio	Lower	Upper	
142	100		
141	84.6	70.5	105.7
116	6.4	3.1	4.7

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

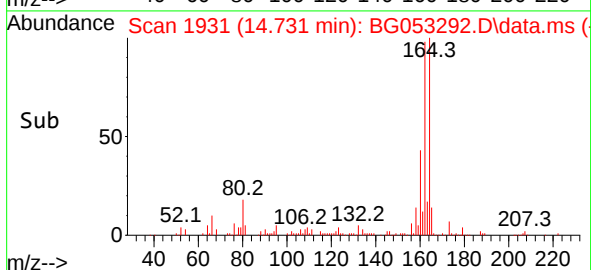
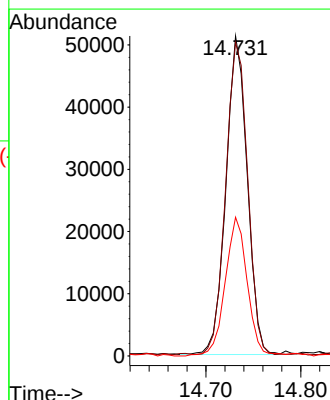
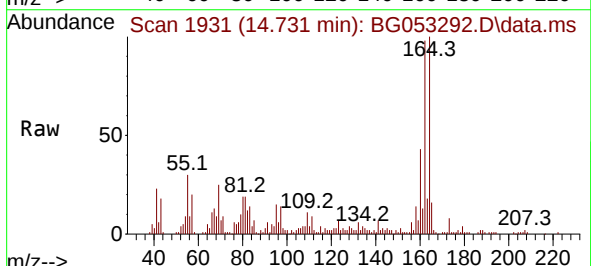
RT: 14.731 min Scan# 1931

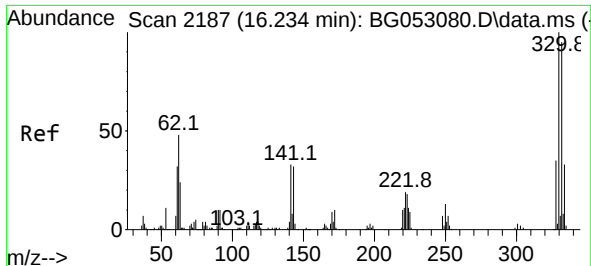
Delta R.T. -0.003 min

Lab File: BG053292.D

Acq: 23 Apr 2022 14:26

Tgt Ion:	164	Resp:	80025
Ion Ratio	Lower	Upper	
164	100		
162	98.0	80.0	120.0
160	43.4	38.8	58.2





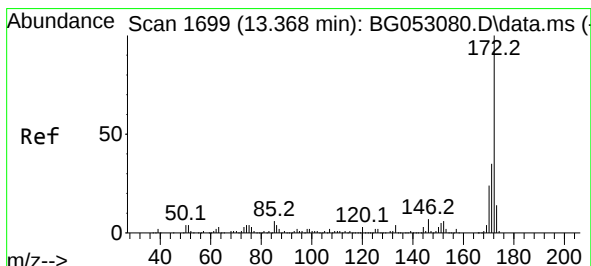
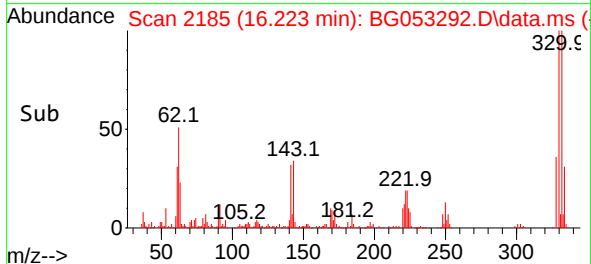
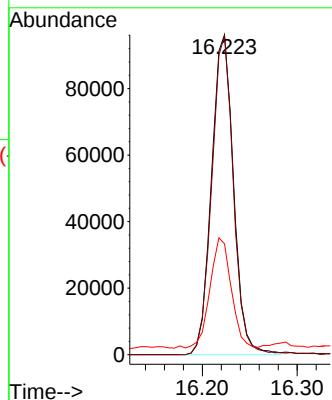
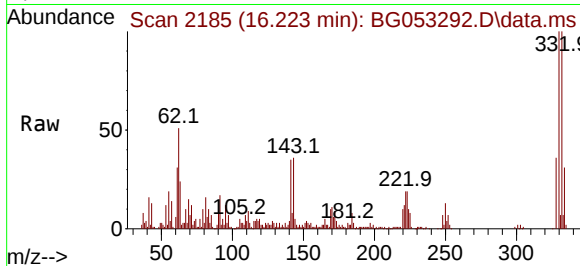
#42
2,4,6-Tribromophenol
Concen: 121.995 ng
RT: 16.223 min Scan# 2187
Delta R.T. -0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

Instrument :
BNA_G
ClientSampleId :
WC-16-1A-6

Tgt Ion:330 Resp: 155320
Ion Ratio Lower Upper
330 100
332 98.1 75.8 113.6
141 33.3 24.6 36.8

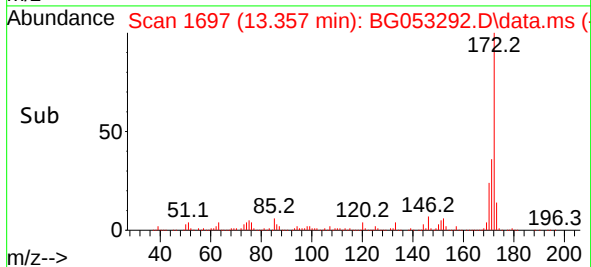
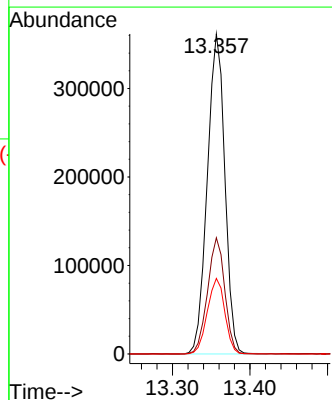
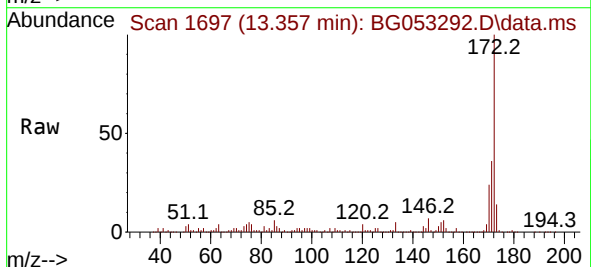
Manual Integrations
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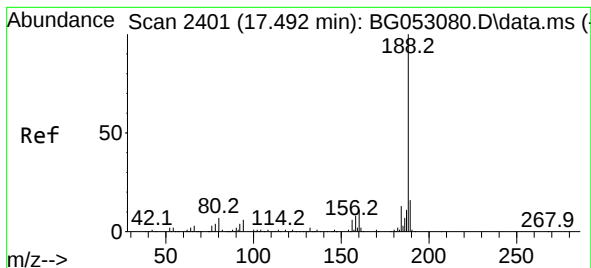
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#45
2-Fluorobiphenyl
Concen: 97.762 ng
RT: 13.357 min Scan# 1697
Delta R.T. -0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

Tgt Ion:172 Resp: 567361
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 23.6 18.0 27.0





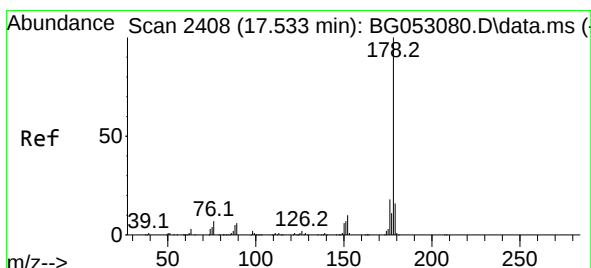
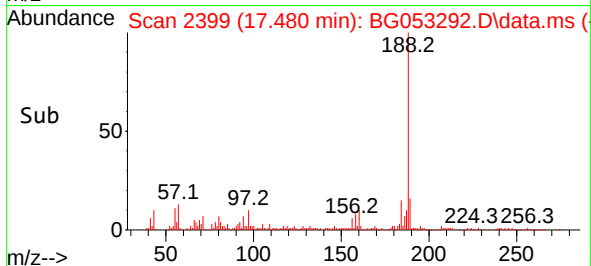
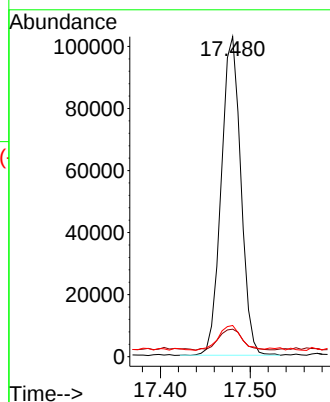
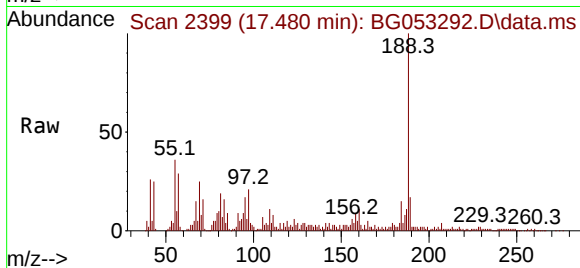
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.480 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

Instrument :
BNA_G
ClientSampleId :
WC-16-1A-6

Tgt Ion:188 Resp: 15567
Ion Ratio Lower Upper
188 100
94 8.6 5.7 8.5
80 9.7 7.2 10.8

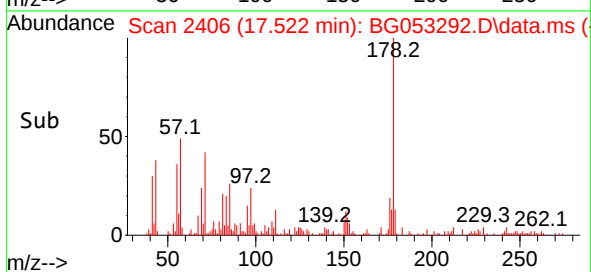
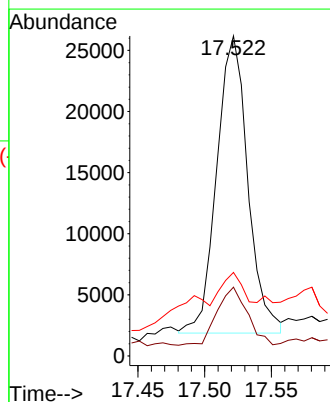
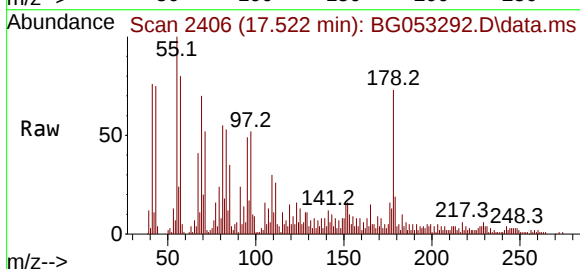
Manual Integrations
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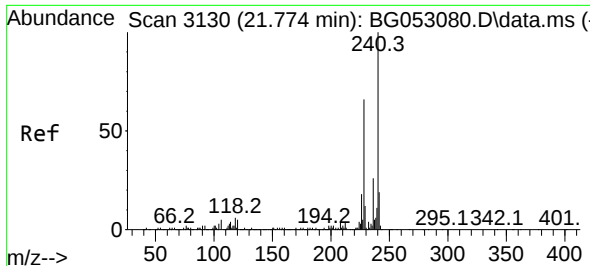
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022



#71
Phenanthrene
Concen: 4.639 ng m
RT: 17.522 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

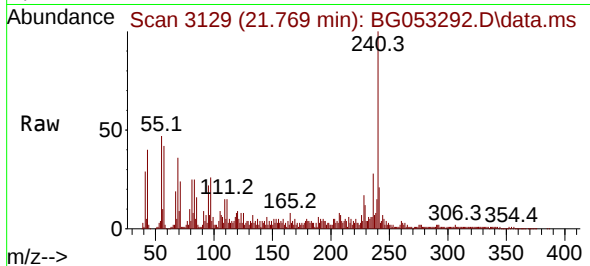
Tgt Ion:178 Resp: 39443
Ion Ratio Lower Upper
178 100
176 21.5 15.9 23.9
179 26.1 13.4 20.2#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.769 min Scan# 3130
Delta R.T. 0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26

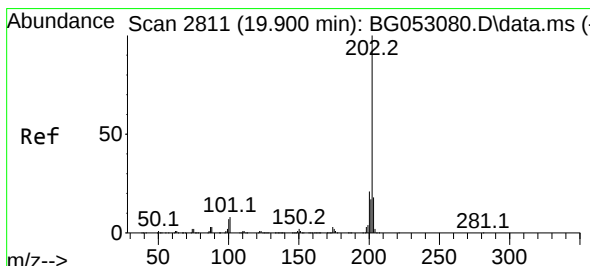
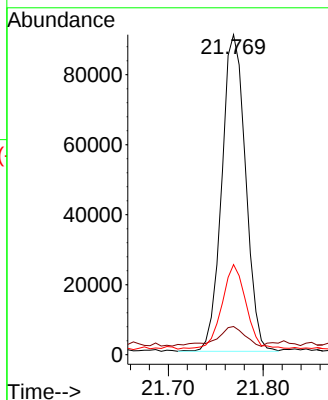
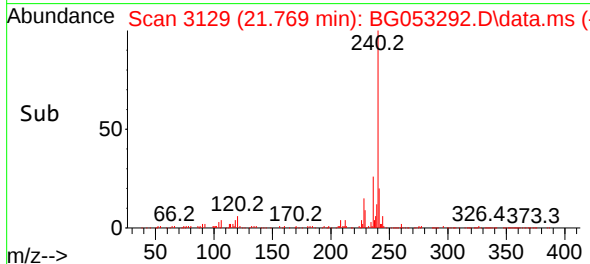
Instrument :
BNA_G
ClientSampleId :
WC-16-1A-6



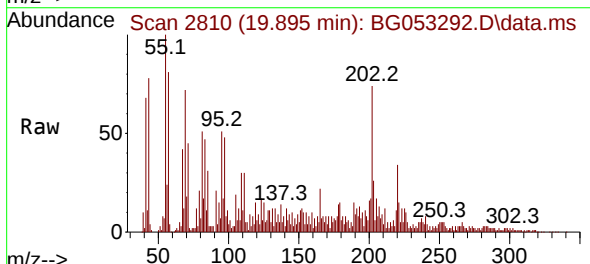
Tgt Ion:240 Resp: 157520
Ion Ratio Lower Upper
240 100
120 8.8 5.4 8.0
236 28.1 19.8 29.6

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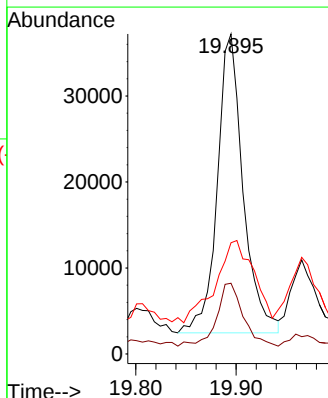
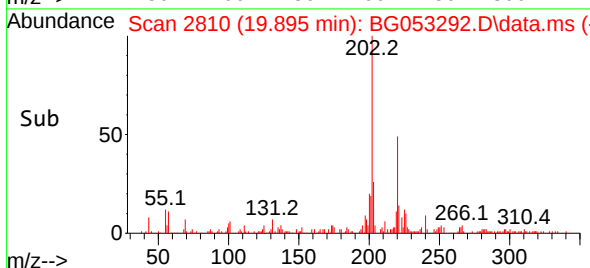
Reviewed By :Christian Giraldo 04/25/2022
Supervised By :Jagrut Upadhyay 04/25/2022

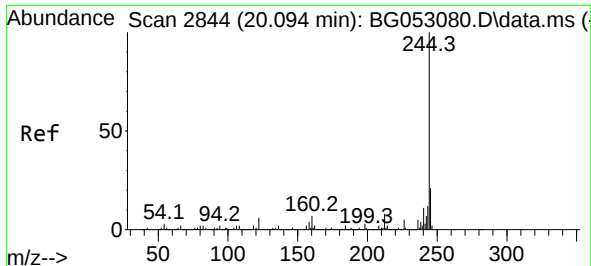


#78
Pyrene
Concen: 5.544 ng
RT: 19.895 min Scan# 2810
Delta R.T. 0.003 min
Lab File: BG053292.D
Acq: 23 Apr 2022 14:26



Tgt Ion:202 Resp: 62194
Ion Ratio Lower Upper
202 100
200 22.1 17.0 25.6
203 34.7 15.0 22.6





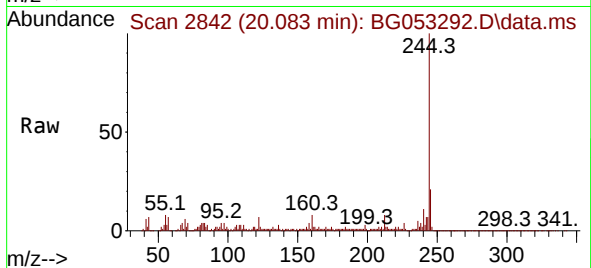
#79
 Terphenyl-d14
 Concen: 91.077 ng
 RT: 20.083 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG053292.D
 Acq: 23 Apr 2022 14:26

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-6

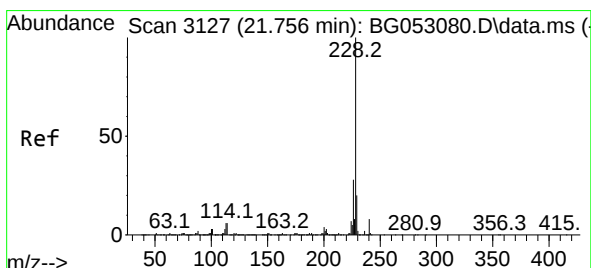
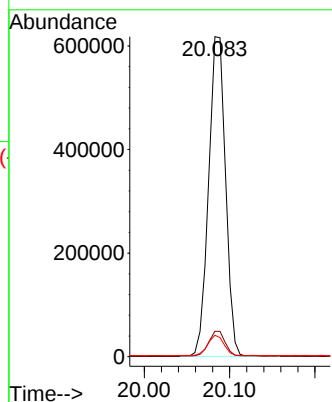
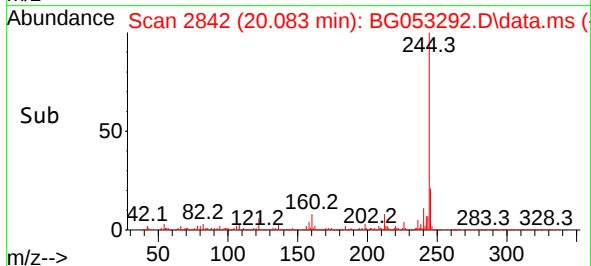


Tgt Ion:244 Resp: 849489
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.4 8.2
 122 6.7 5.8 8.6

Manual Integrations

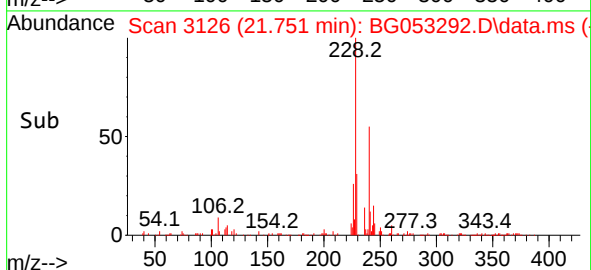
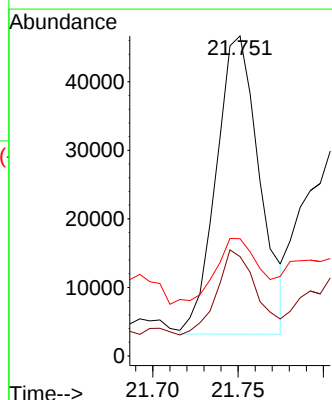
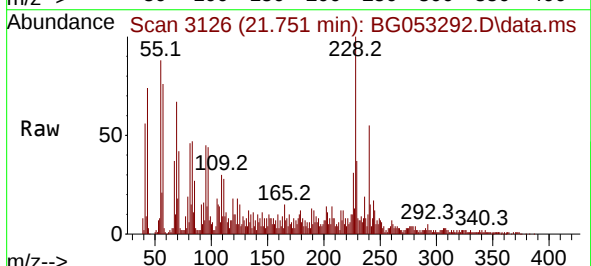
APPROVED

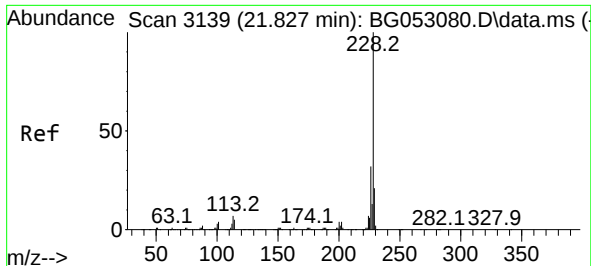
Reviewed By :Christian Giraldo 04/25/2022
 Supervised By :Jagrut Upadhyay 04/25/2022



#81
 Benzo(a)anthracene
 Concen: 7.156 ng
 RT: 21.751 min Scan# 3126
 Delta R.T. 0.003 min
 Lab File: BG053292.D
 Acq: 23 Apr 2022 14:26

Tgt Ion:228 Resp: 77076
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.4 32.0
 229 36.7 16.7 25.1#





#83

Chrysene

Concen: 10.278 ng

RT: 21.816 min Scan# 3139

Delta R.T. 0.003 min

Lab File: BG053292.D

Acq: 23 Apr 2022 14:26

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-6

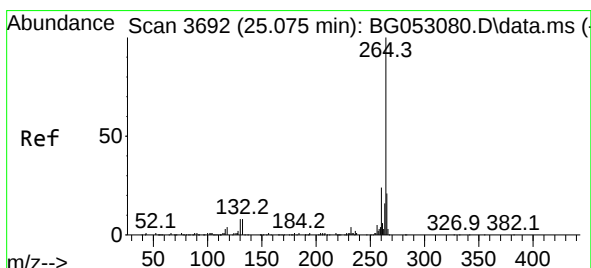
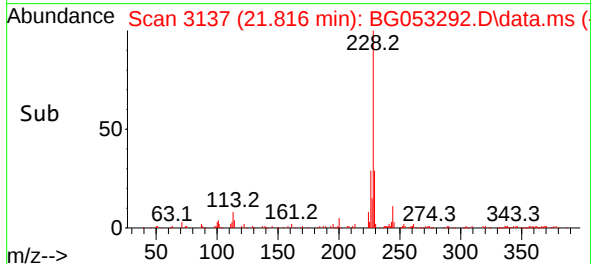
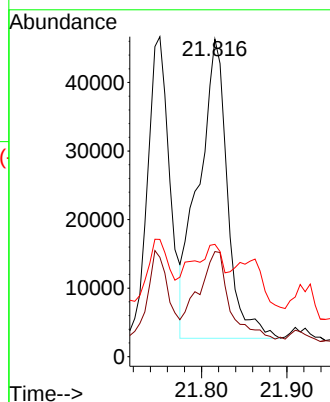
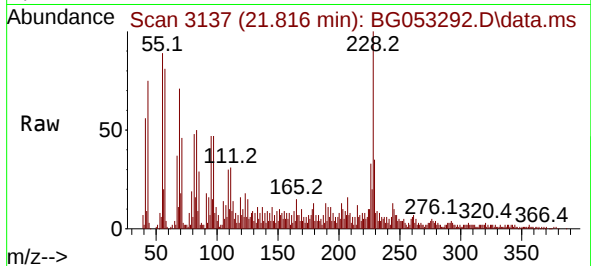
Tgt Ion:	228	Resp:	102738
Ion Ratio	Lower	Upper	
228	100		
226	33.1	24.2	36.4
229	35.4	16.3	24.5

Manual Integrations

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Reviewed By :Christian Giraldo 04/25/2022

Supervised By :Jagrut Upadhyay 04/25/2022



#86

Perylene-d12

Concen: 20.000 ng

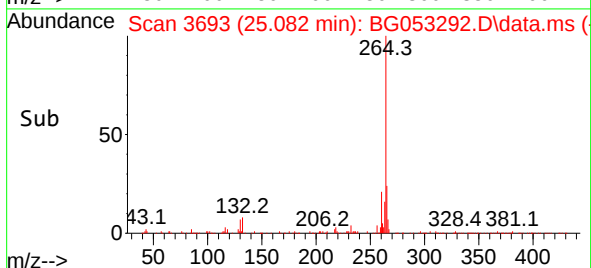
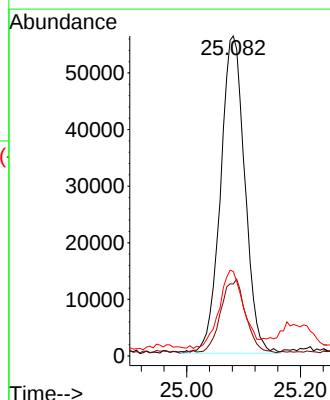
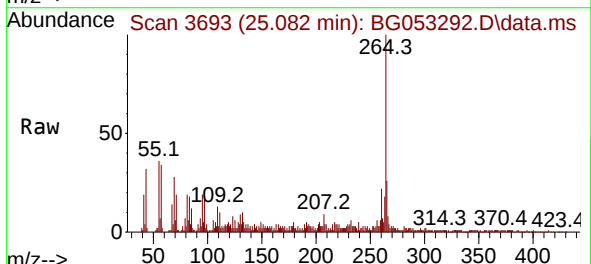
RT: 25.082 min Scan# 3693

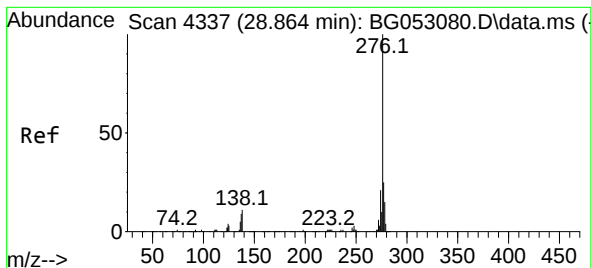
Delta R.T. 0.021 min

Lab File: BG053292.D

Acq: 23 Apr 2022 14:26

Tgt Ion:	264	Resp:	165917
Ion Ratio	Lower	Upper	
264	100		
260	22.5	18.2	27.2
265	26.4	15.1	22.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.647 ng

RT: 28.871 min Scan# 41

Delta R.T. 0.021 min

Lab File: BG053292.D

Acq: 23 Apr 2022 14:26

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-6

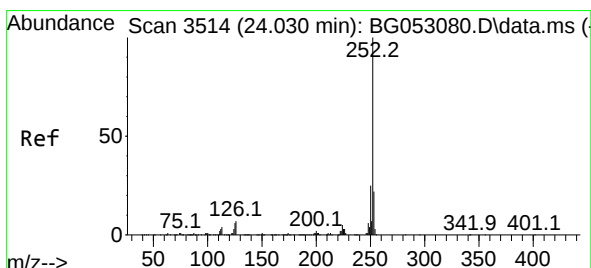
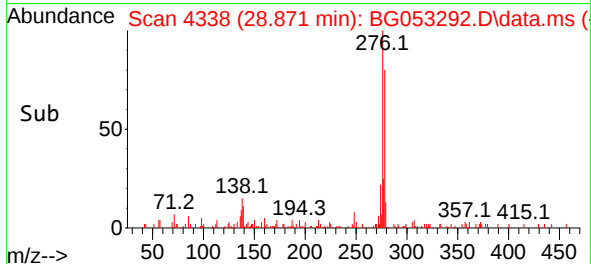
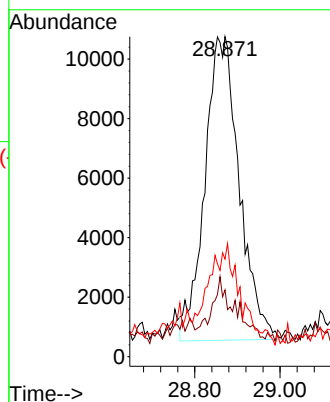
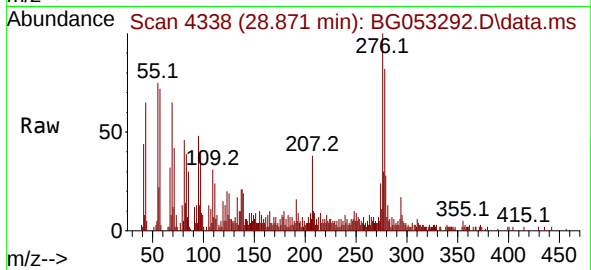
Tgt Ion:	276	Resp:	57279
Ion Ratio	Lower	Upper	
276	100		
138	0.0	8.7	13.1
277	0.0	20.2	30.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/25/2022

Supervised By :Jagrut Upadhyay 04/25/2022



#88

Benzo(b)fluoranthene

Concen: 6.192 ng m

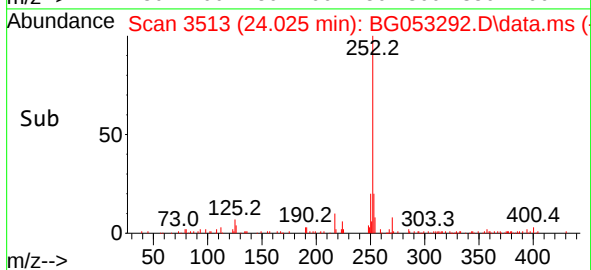
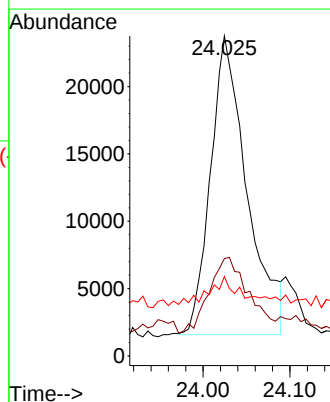
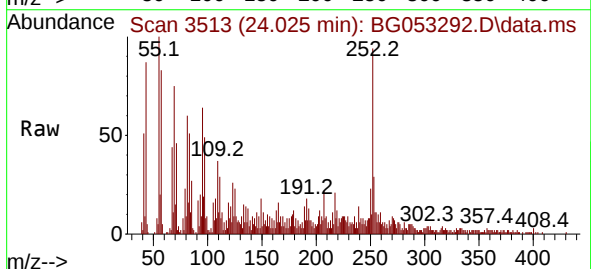
RT: 24.025 min Scan# 3513

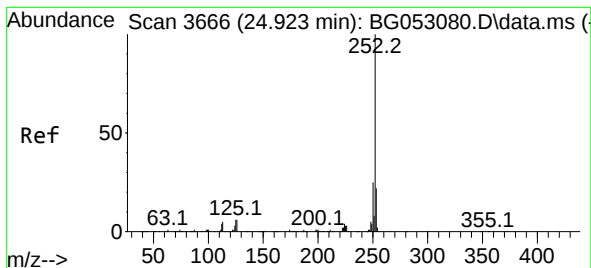
Delta R.T. 0.003 min

Lab File: BG053292.D

Acq: 23 Apr 2022 14:26

Tgt Ion:	252	Resp:	64823
Ion Ratio	Lower	Upper	
252	100		
253	30.4	17.2	25.8
125	24.8	5.2	7.8





#90

Benzo(a)pyrene

Concen: 11.932 ng

RT: 24.923 min Scan# 30

Delta R.T. 0.009 min

Lab File: BG053292.D

Acq: 23 Apr 2022 14:26

Instrument :

BNA_G

ClientSampleId :

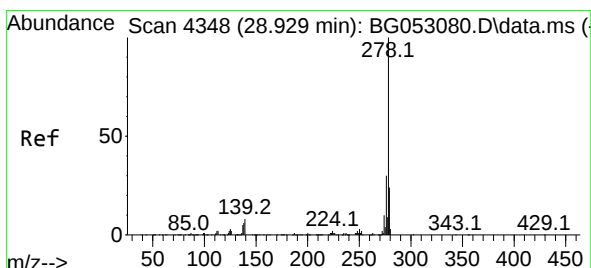
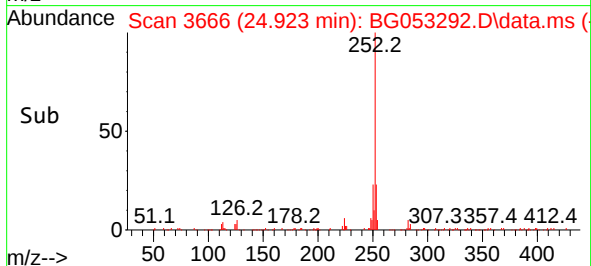
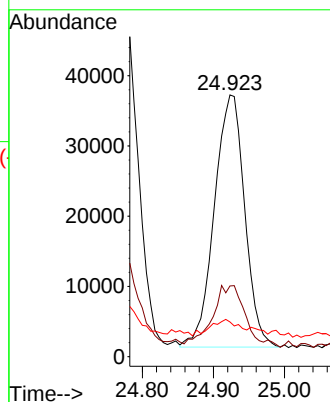
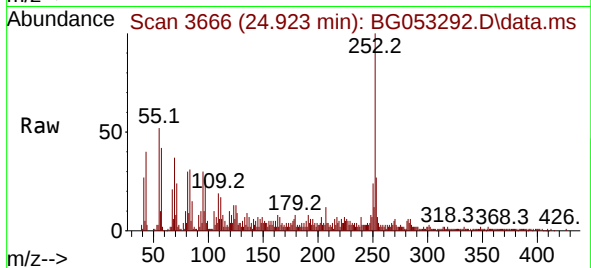
WC-16-1A-6

Tgt Ion:	252	Resp:	10641
Ion Ratio	Lower	Upper	
252	100		
253	27.0	18.4	27.6
125	13.3	5.6	8.4

Manual Integrations

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



#91

Dibenzo(a,h)anthracene

Concen: 6.010 ng

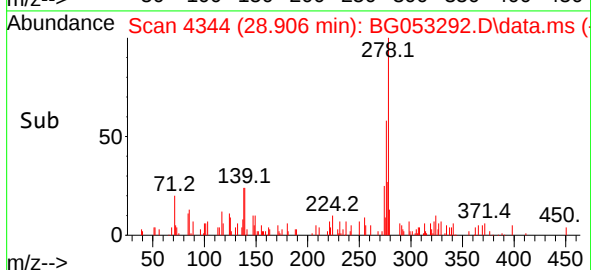
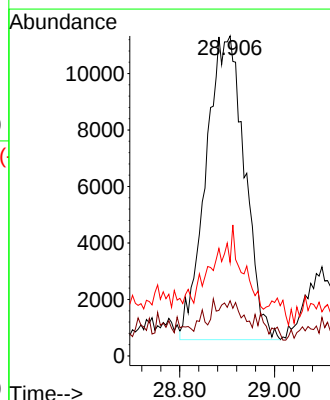
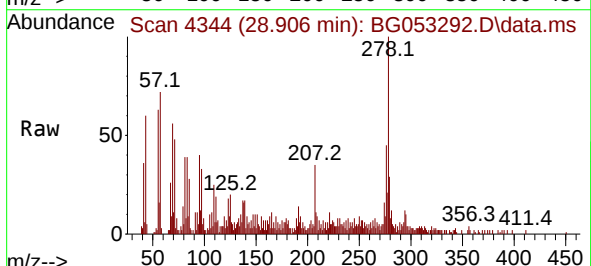
RT: 28.906 min Scan# 4344

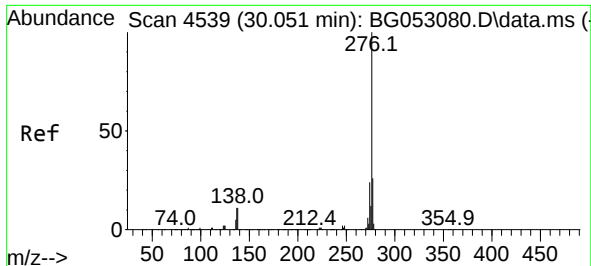
Delta R.T. 0.003 min

Lab File: BG053292.D

Acq: 23 Apr 2022 14:26

Tgt Ion:	278	Resp:	60975
Ion Ratio	Lower	Upper	
278	100		
139	17.3	7.8	11.6#
279	29.3	18.5	27.7#





#92

Benzo(g,h,i)perylene

Concen: 11.391 ng

RT: 30.052 min Scan# 4

Delta R.T. 0.015 min

Lab File: BG053292.D

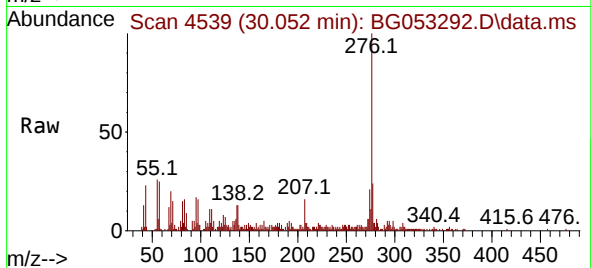
Acq: 23 Apr 2022 14:26

Instrument :

BNA_G

ClientSampleId :

WC-16-1A-6



Tgt Ion:276 Resp: 113908

Ion Ratio Lower Upper

276 100

277 24.3 18.2 27.2

138 13.4 9.1 13.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/25/2022

