

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057017.D
 Acq On : 6 Apr 2023 18:19
 Operator : CG/JU
 Sample : 02206-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11929

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2023
 Supervised By : Jagrut Upadhyay 04/07/2023

Quant Time: Apr 07 01:39:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.408	152	16311	20.000	ng	0.00
21) Naphthalene-d8	11.251	136	63513	20.000	ng	0.00
39) Acenaphthene-d10	15.022	164	43530	20.000	ng	0.00
64) Phenanthrene-d10	17.760	188	97161	20.000	ng	# 0.00
76) Chrysene-d12	22.078	240	84026	20.000	ng	-0.01
86) Perylene-d12	25.620	264	91579	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.923	112	113700	111.563	ng	0.00
7) Phenol-d6	7.544	99	166888	109.487	ng	0.00
23) Nitrobenzene-d5	9.589	82	109297	70.413	ng	0.00
42) 2,4,6-Tribromophenol	16.503	330	79809	114.766	ng	0.00
45) 2-Fluorobiphenyl	13.648	172	250176	77.933	ng	0.00
79) Terphenyl-d14	20.327	244	389483	78.436	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.801	178	37487	7.567	ng	96
72) Anthracene	17.889	178	20761	4.088	ng	96
75) Fluoranthene	19.787	202	99699	15.877	ng	99
78) Pyrene	20.151	202	115710	19.910	ng	99
81) Benzo(a)anthracene	22.054	228	86683	14.908	ng	99
83) Chrysene	22.131	228	95318	17.508	ng	95
87) Indeno(1,2,3-cd)pyrene	29.697	276	58645	8.665	ng	98
88) Benzo(b)fluoranthene	24.480	252	148961	26.012	ng	98
89) Benzo(k)fluoranthene	24.557	252	44318m	7.752	ng	
90) Benzo(a)pyrene	25.455	252	91382	16.239	ng	97
91) Dibenzo(a,h)anthracene	29.755	278	17014m	3.058	ng	
92) Benzo(g,h,i)perylene	30.995	276	53443	9.811	ng	# 93

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

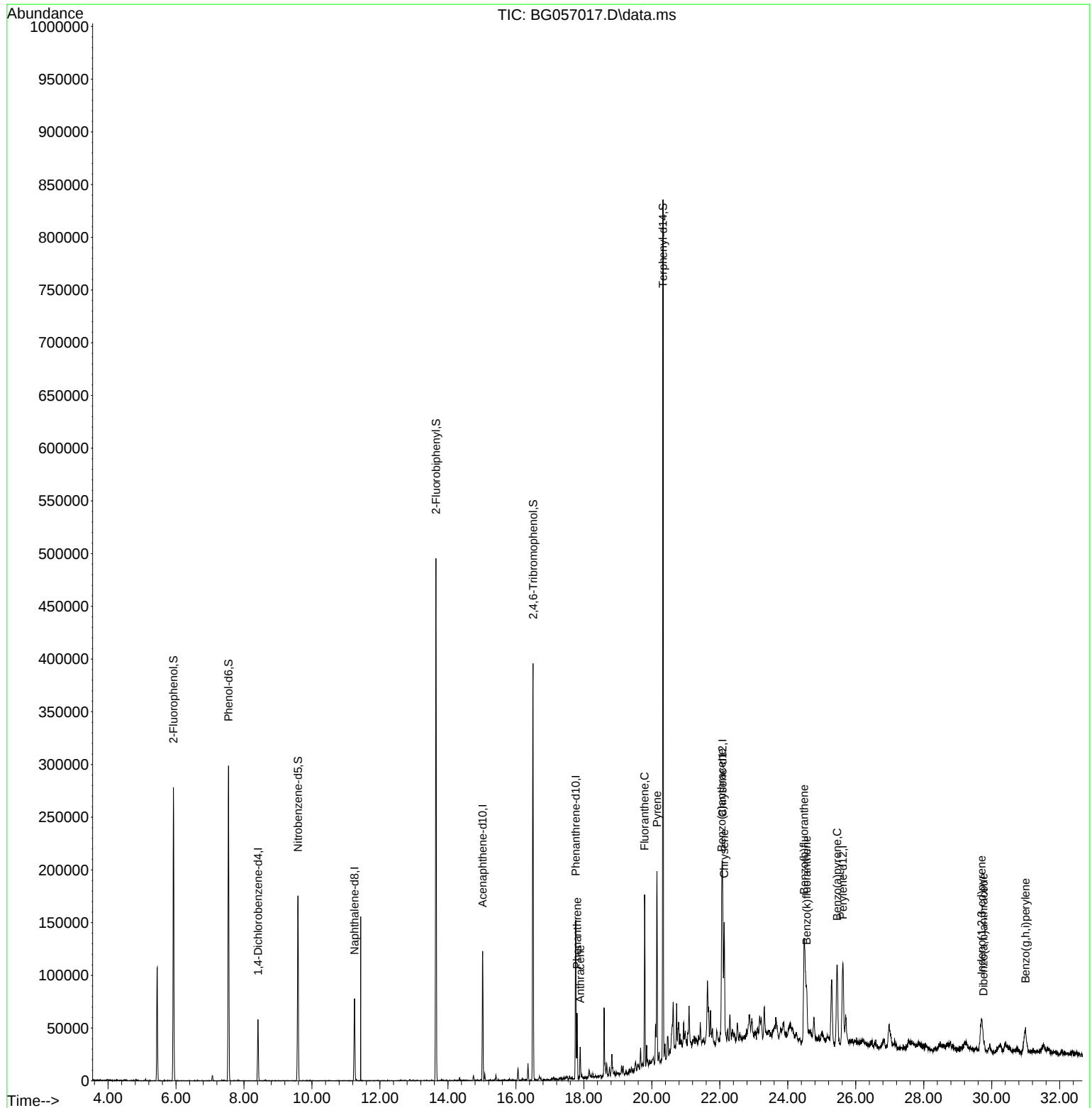
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
Data File : BG057017.D
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ALS Vial : 11 Sample Multiplier: 1

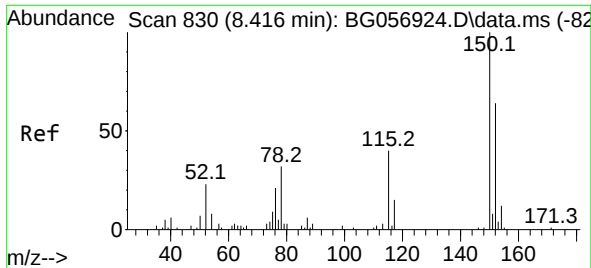
Instrument :
BNA_G
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72-11929

Quant Time: Apr 07 01:39:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 07 01:33:41 2023
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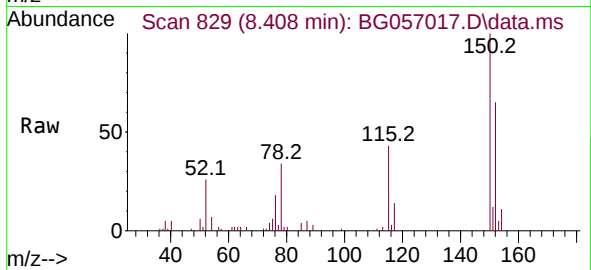
Reviewed By : Christian Giraldo 04/07/2023
Supervised By : Jagrut Upadhyay 04/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.408 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

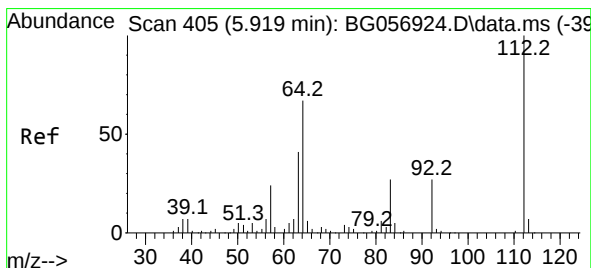
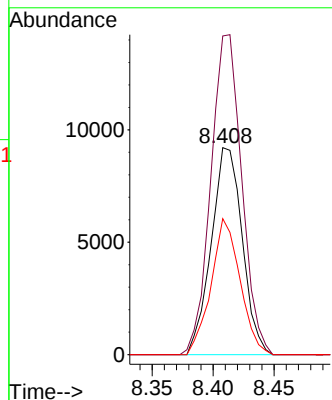
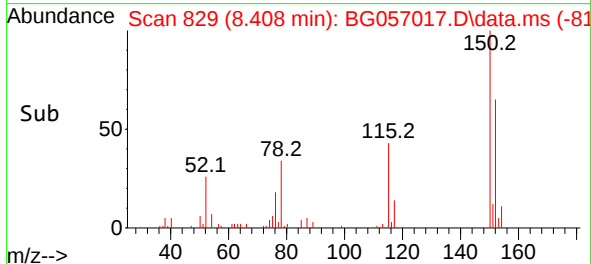
Instrument :
BNA_G
ClientSampleId :
72-11929



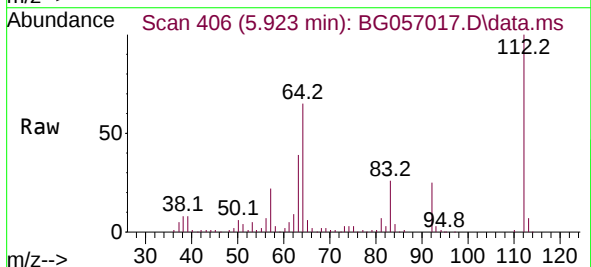
Tgt Ion:152 Resp: 1631
Ion Ratio Lower Upper
152 100
150 154.0 124.1 186.1
115 65.7 49.1 73.7

Manual Integrations
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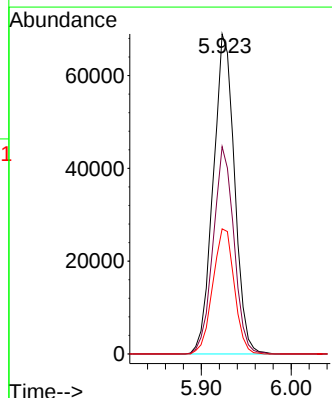
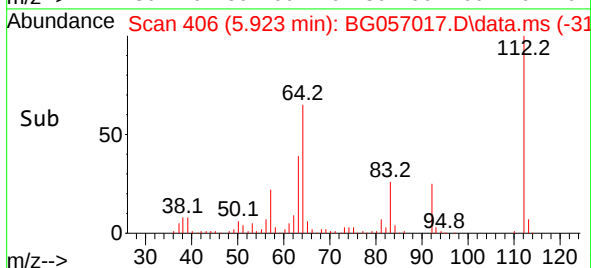
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

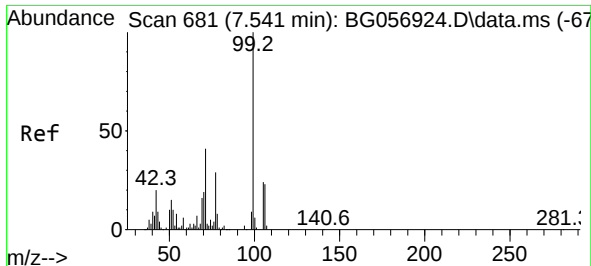


#5
2-Fluorophenol
Concen: 111.563 ng
RT: 5.923 min Scan# 406
Delta R.T. 0.007 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19



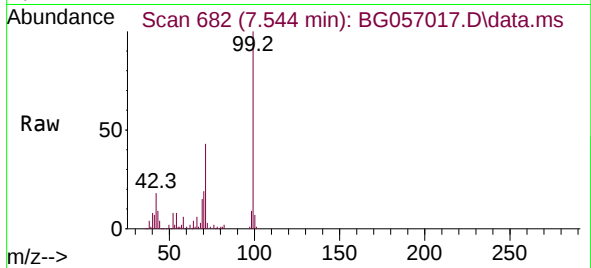
Tgt Ion:112 Resp: 113700
Ion Ratio Lower Upper
112 100
64 64.8 53.2 79.8
63 39.1 32.6 48.8





#7
Phenol-d6
Concen: 109.487 ng
RT: 7.544 min Scan# 681
Delta R.T. 0.001 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

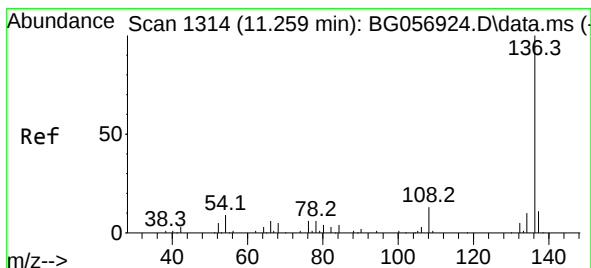
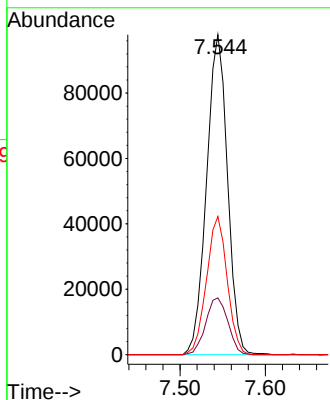
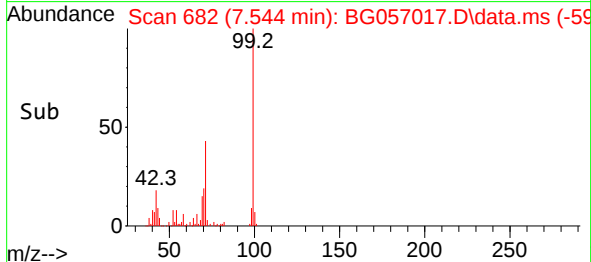
Instrument :
BNA_G
ClientSampleId :
72-11929



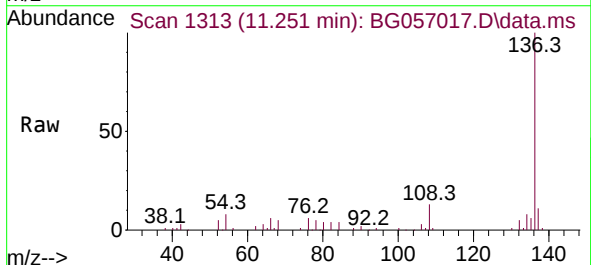
Tgt Ion: 99 Resp: 166888
Ion Ratio Lower Upper
99 100
42 17.7 15.7 23.5
71 43.2 32.5 48.7

Manual Integrations
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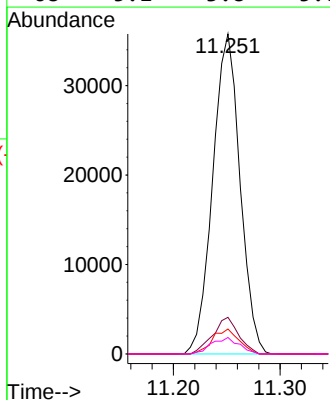
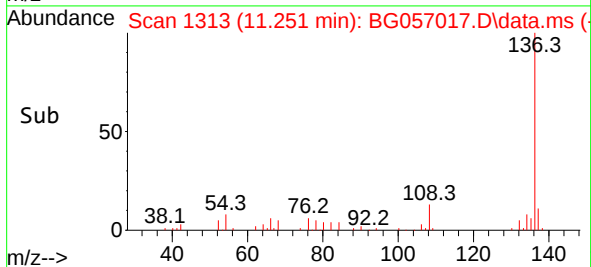
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.251 min Scan# 1313
Delta R.T. 0.001 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19



Tgt Ion:136 Resp: 63513
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 7.8 6.9 10.3
68 5.1 3.8 5.6





#23

Nitrobenzene-d5

Concen: 70.413 ng

RT: 9.589 min Scan# 1030

Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Instrument :

BNA_G

ClientSampleId :

72-11929

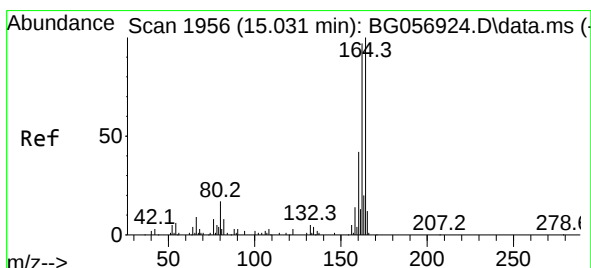
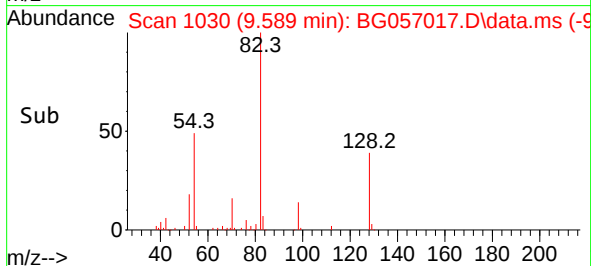
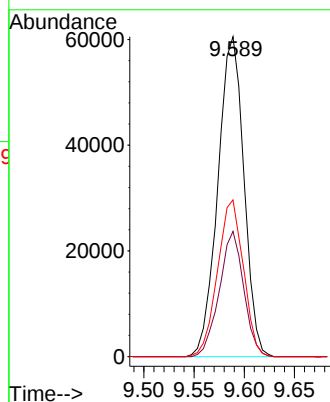
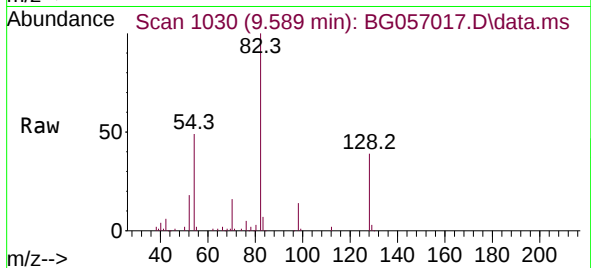
Tgt Ion: 82	Resp: 10929
Ion Ratio	Lower Upper
82 100	
128 39.1	27.9 41.9
54 49.0	39.4 59.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

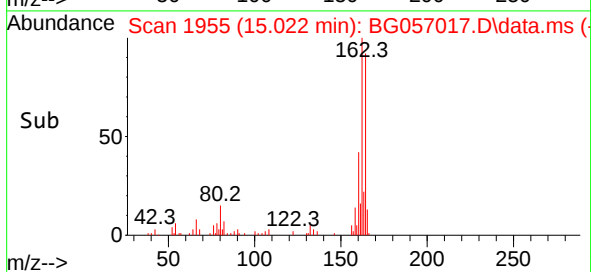
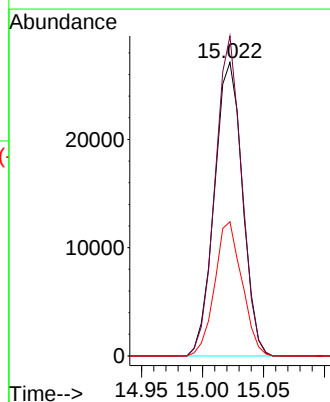
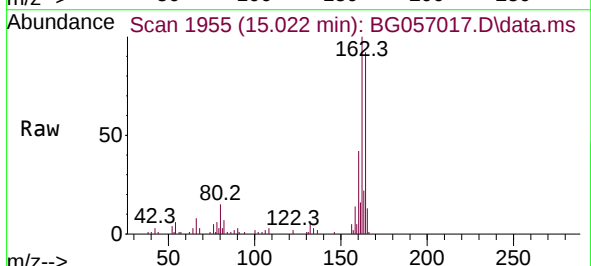
RT: 15.022 min Scan# 1955

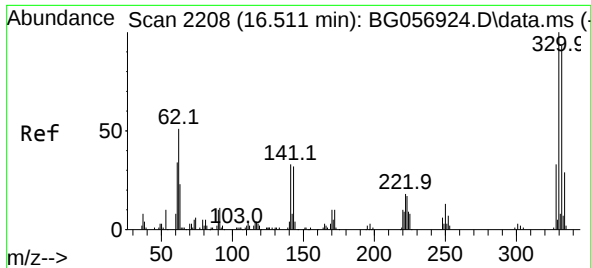
Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Tgt Ion:164	Resp: 43530
Ion Ratio	Lower Upper
164 100	
162 109.0	77.8 116.8
160 45.7	33.5 50.3





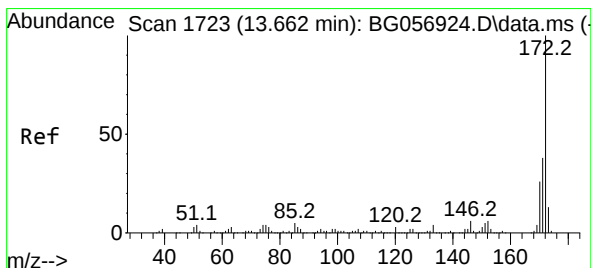
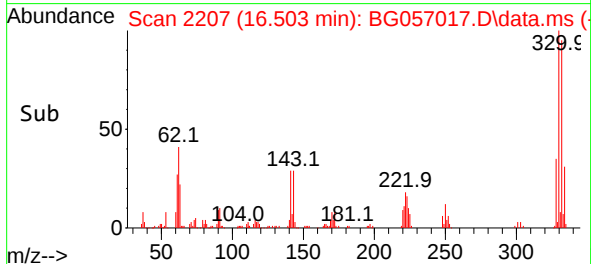
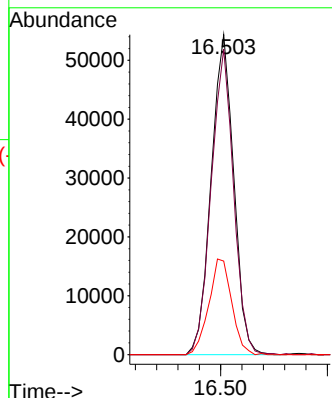
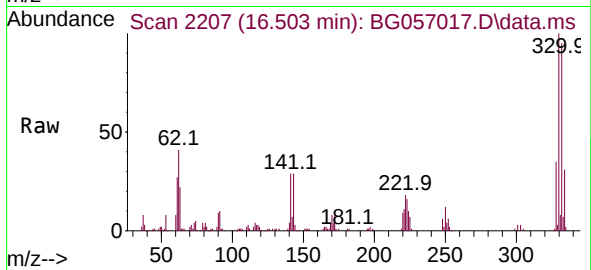
#42
2,4,6-Tribromophenol
Concen: 114.766 ng
RT: 16.503 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Instrument :
BNA_G
ClientSampleId :
72-11929

Tgt Ion:330 Resp: 79809
Ion Ratio Lower Upper
330 100
332 94.8 76.1 114.1
141 30.4 25.8 38.6

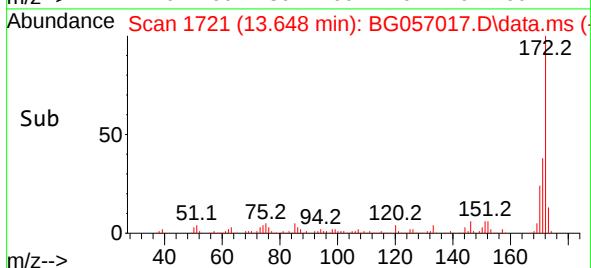
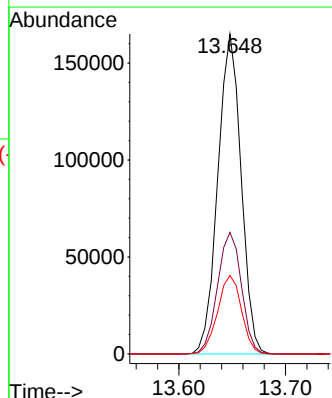
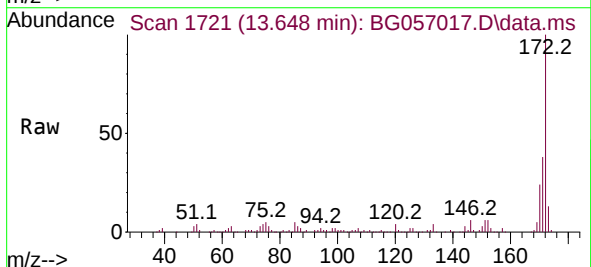
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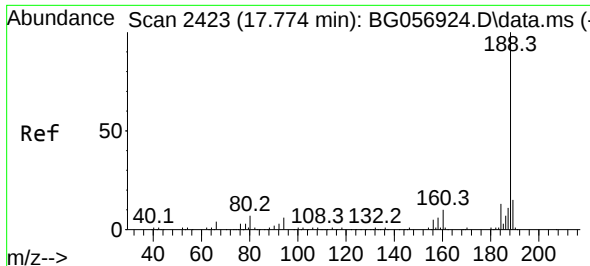
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#45
2-Fluorobiphenyl
Concen: 77.933 ng
RT: 13.648 min Scan# 1721
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion:172 Resp: 250176
Ion Ratio Lower Upper
172 100
171 38.0 30.6 46.0
170 24.5 20.6 30.8





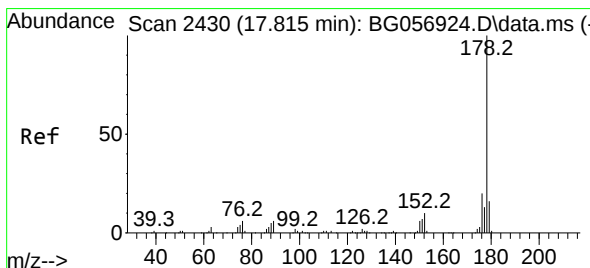
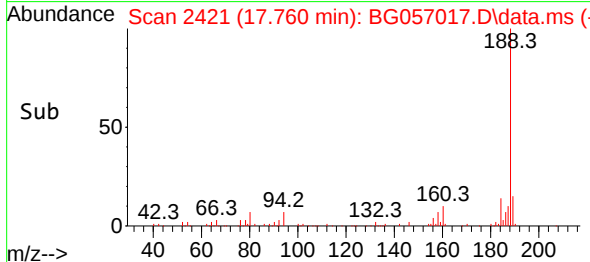
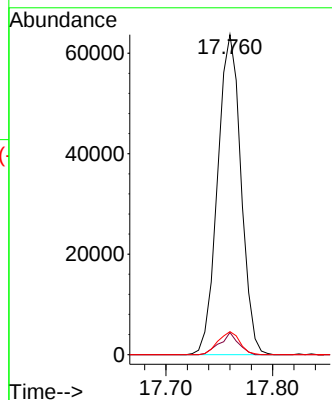
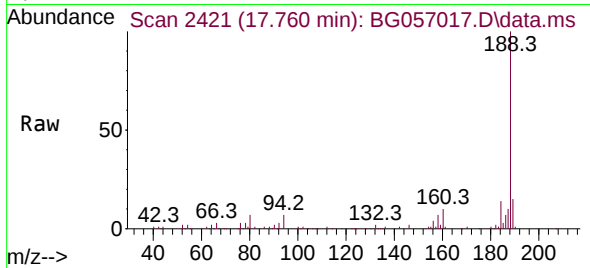
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.760 min Scan# 2421
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Instrument :
BNA_G
ClientSampleId :
72-11929

Tgt Ion:188 Resp: 9716
Ion Ratio Lower Upper
188 100
94 6.9 4.6 6.8
80 7.2 5.5 8.3

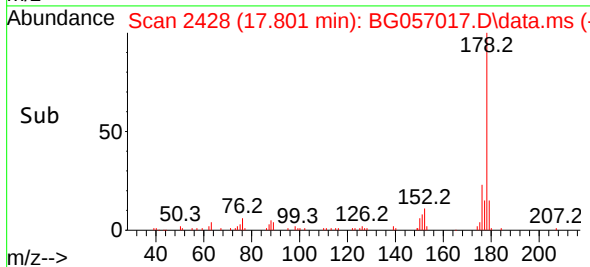
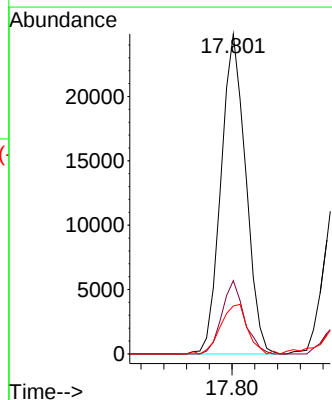
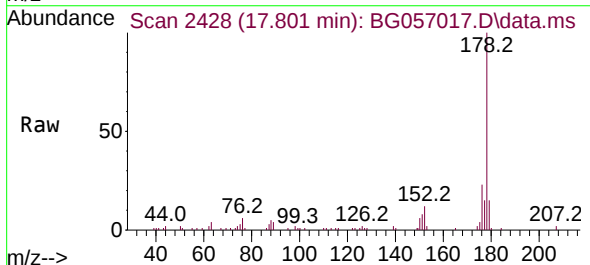
Manual Integrations
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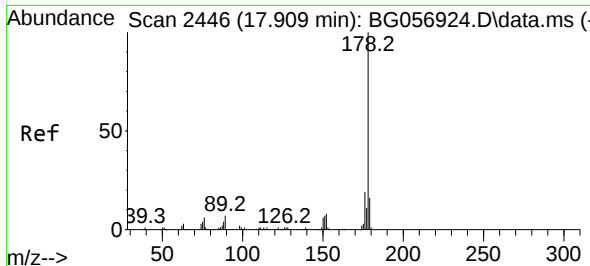
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#71
Phenanthrene
Concen: 7.567 ng
RT: 17.801 min Scan# 2428
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

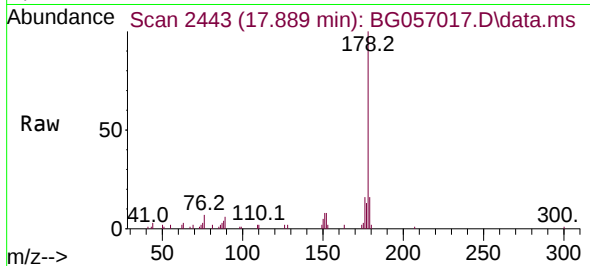
Tgt Ion:178 Resp: 37487
Ion Ratio Lower Upper
178 100
176 22.9 16.2 24.2
179 15.0 12.5 18.7





#72
 Anthracene
 Concen: 4.088 ng
 RT: 17.889 min Scan# 2446
 Delta R.T. -0.011 min
 Lab File: BG057017.D
 Acq: 6 Apr 2023 18:19

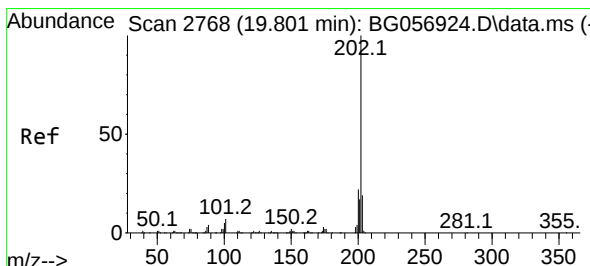
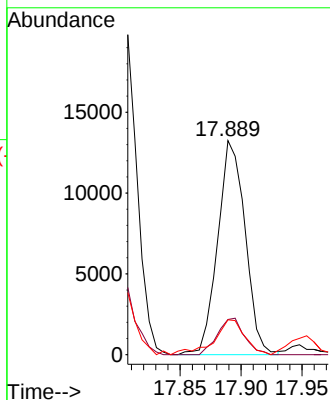
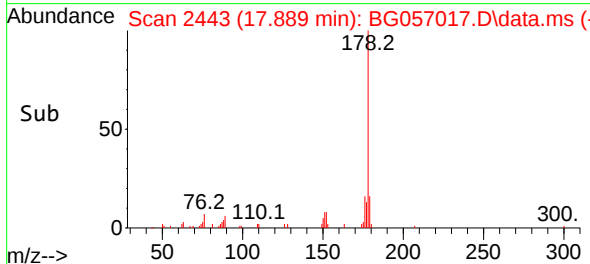
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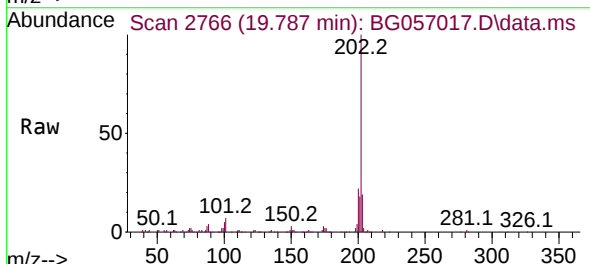
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 Ion Ratio Lower Upper
 178 100
 176 16.4 15.4 23.2
 179 16.3 12.4 18.6

Manual Integrations
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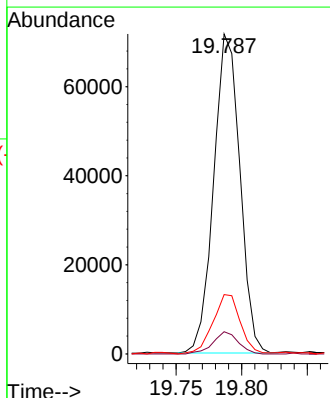
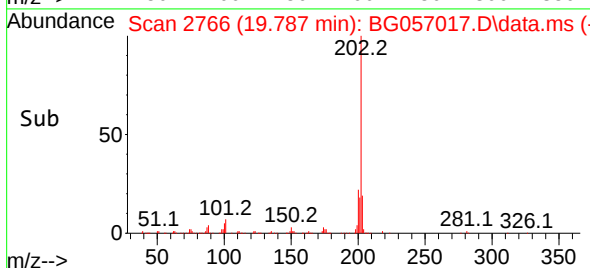
Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023

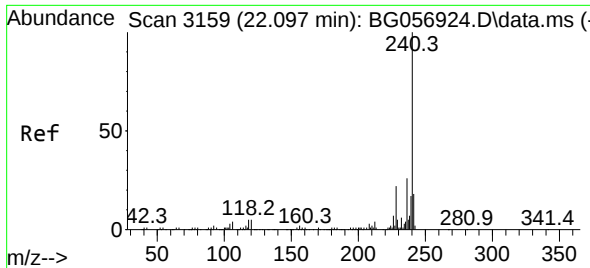


#75
 Fluoranthene
 Concen: 15.877 ng
 RT: 19.787 min Scan# 2766
 Delta R.T. -0.005 min
 Lab File: BG057017.D
 Acq: 6 Apr 2023 18:19



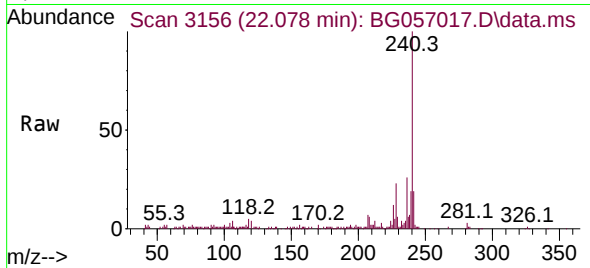
Tgt Ion:202 Resp: 99699
 Ion Ratio Lower Upper
 202 100
 101 6.9 0.0 26.7
 203 18.5 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.078 min Scan# 3159
Delta R.T. -0.011 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

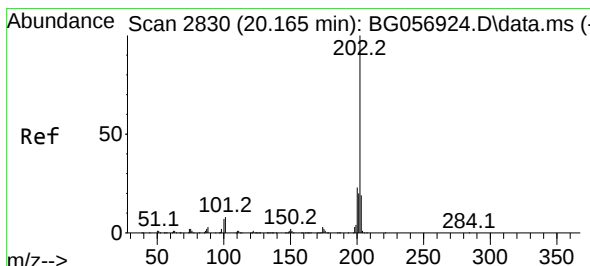
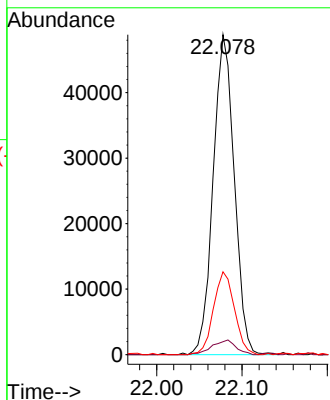
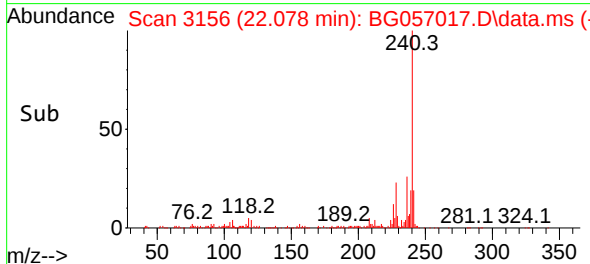
Instrument :
BNA_G
ClientSampleId :
72-11929



Tgt Ion:240 Resp: 84026
Ion Ratio Lower Upper
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120 4.0 3.8 5.6
236 25.9 21.0 31.6

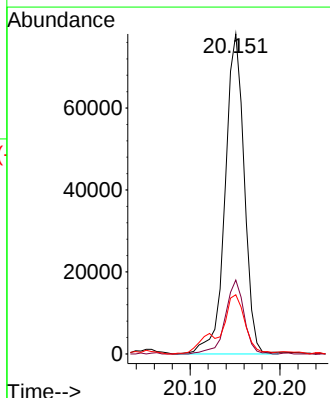
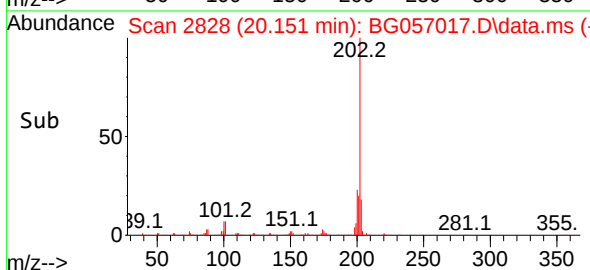
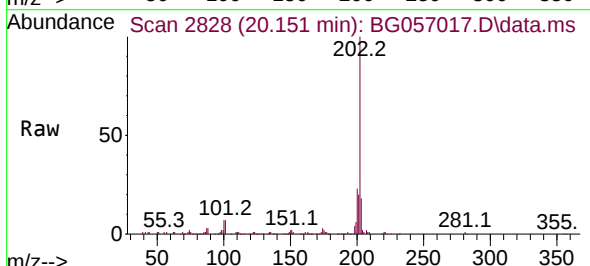
Manual Integrations
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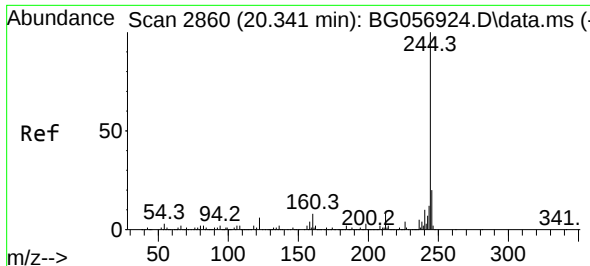
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#78
Pyrene
Concen: 19.910 ng
RT: 20.151 min Scan# 2828
Delta R.T. 0.001 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

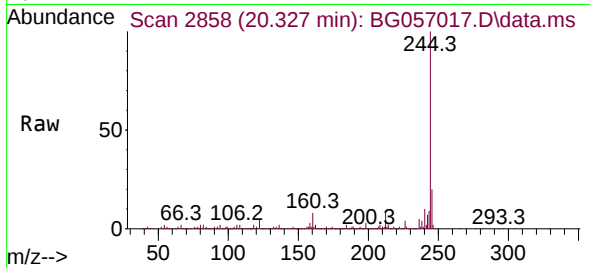
Tgt Ion:202 Resp: 115710
Ion Ratio Lower Upper
202 100
200 23.1 18.7 28.1
203 18.5 15.4 23.2





#79
 Terphenyl-d14
 Concen: 78.436 ng
 RT: 20.327 min Scan# 2858
 Delta R.T. -0.005 min
 Lab File: BG057017.D
 Acq: 6 Apr 2023 18:19

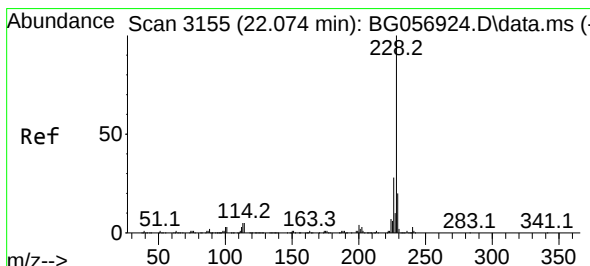
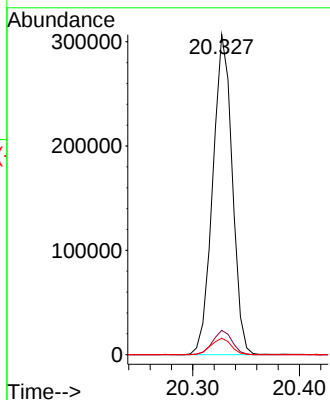
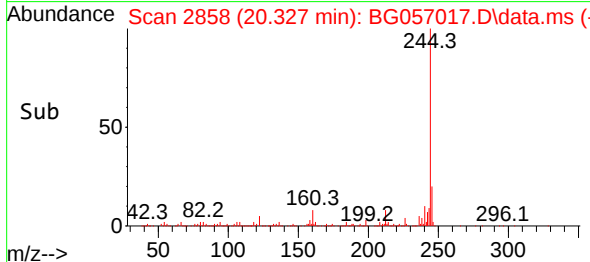
Instrument :
 BNA_G
 ClientSampleId :
 72-11929



Tgt Ion:244 Resp: 389483
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 5.1 5.0 7.4

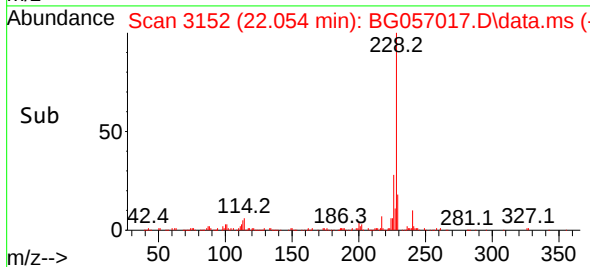
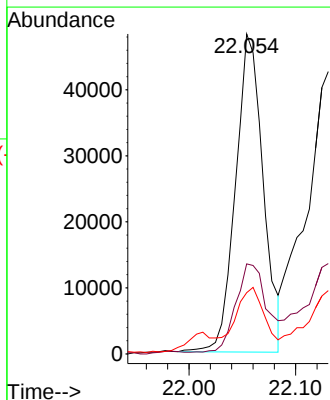
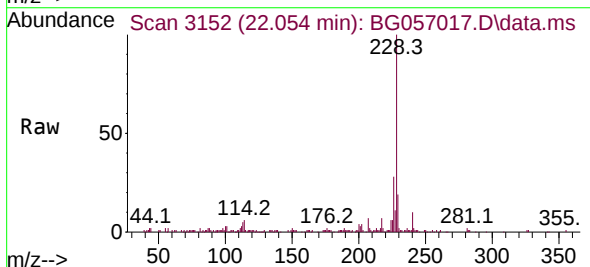
Manual Integrations
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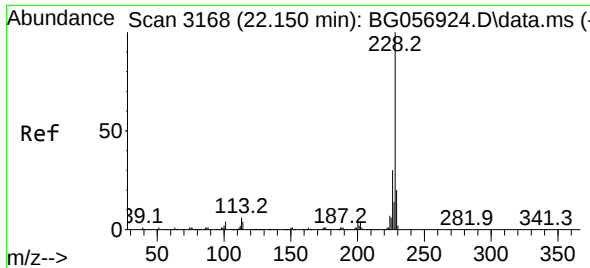
Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023



#81
 Benzo(a)anthracene
 Concen: 14.908 ng
 RT: 22.054 min Scan# 3152
 Delta R.T. -0.011 min
 Lab File: BG057017.D
 Acq: 6 Apr 2023 18:19

Tgt Ion:228 Resp: 86683
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.1 33.1
 229 19.1 16.1 24.1





#83

Chrysene

Concen: 17.508 ng

RT: 22.131 min Scan# 3165

Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Instrument :

BNA_G

ClientSampleId :

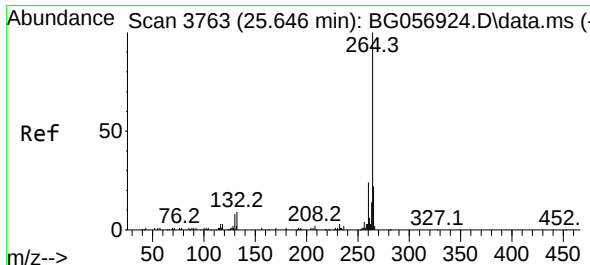
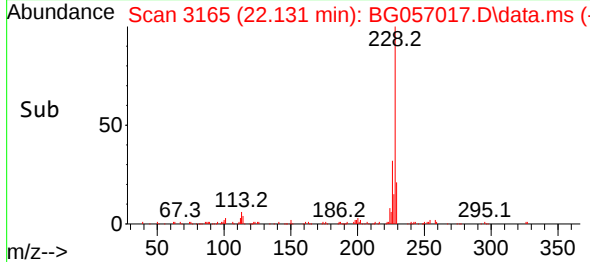
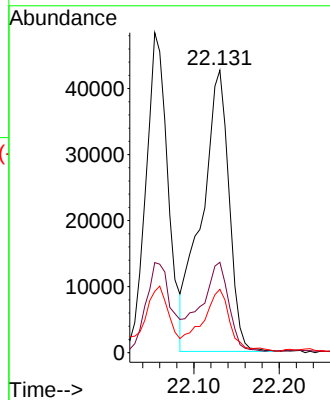
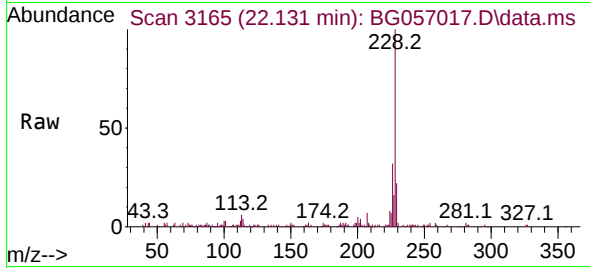
72-11929

Tgt Ion:	228	Resp:	95318
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.1	36.1
229	22.4	15.6	23.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#86

Perylene-d12

Concen: 20.000 ng

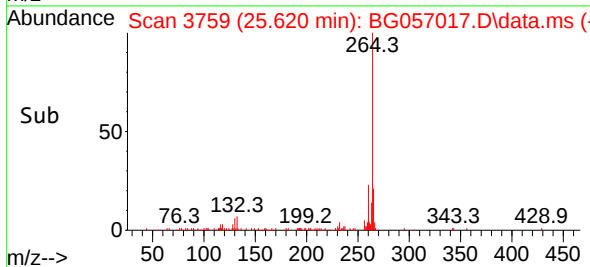
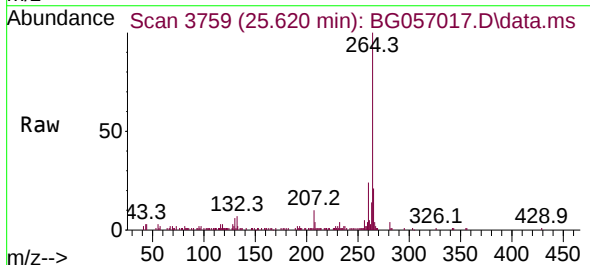
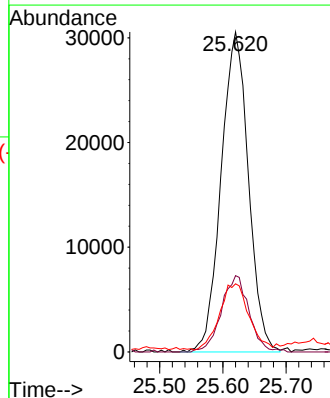
RT: 25.620 min Scan# 3759

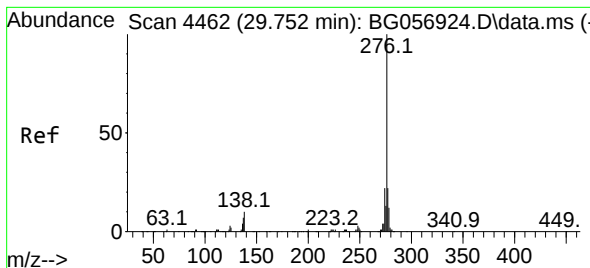
Delta R.T. -0.005 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Tgt Ion:	264	Resp:	91579
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.0	28.4
265	21.3	17.8	26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.665 ng

RT: 29.697 min Scan# 4462

Delta R.T. -0.029 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Instrument :

BNA_G

ClientSampleId :

72-11929

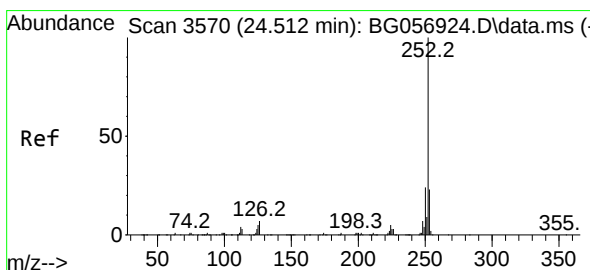
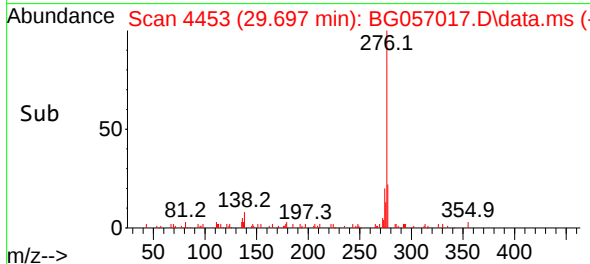
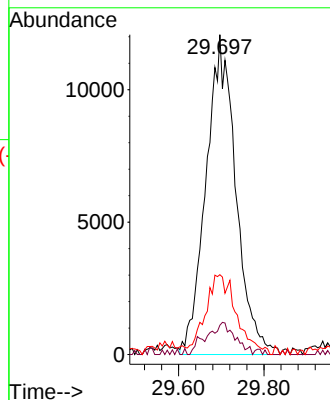
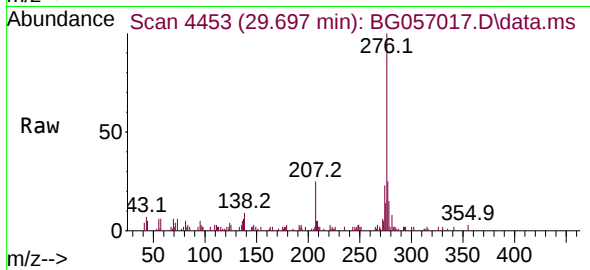
Tgt Ion:	276	Resp:	58645
Ion Ratio	Lower	Upper	
276	100		
138	7.8	7.7	11.5
277	26.0	21.0	31.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2023

Supervised By :Jagrut Upadhyay 04/07/2023



#88

Benzo(b)fluoranthene

Concen: 26.012 ng

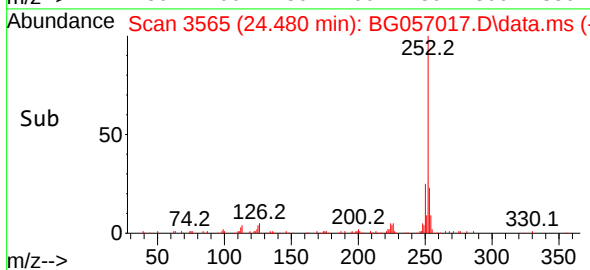
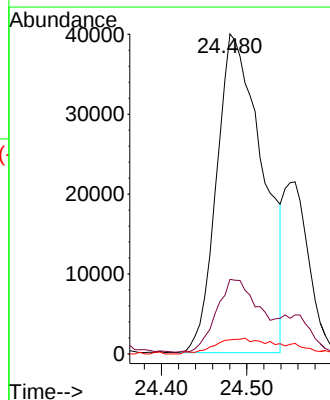
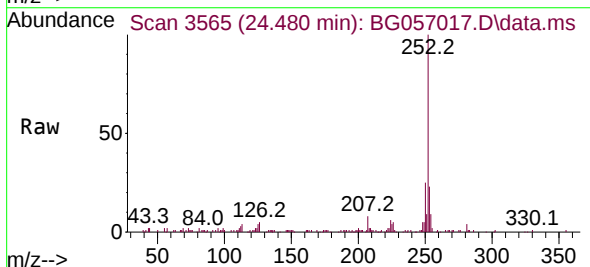
RT: 24.480 min Scan# 3565

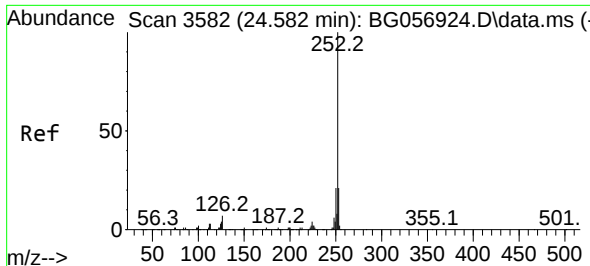
Delta R.T. -0.011 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

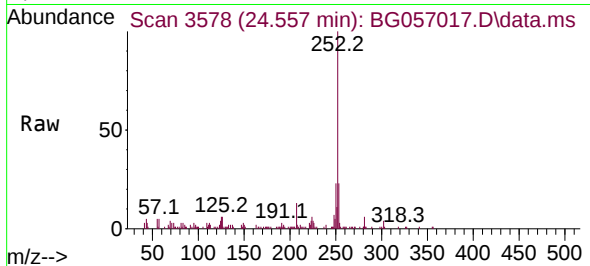
Tgt Ion:	252	Resp:	148961
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	4.4	4.2	6.4





#89
Benzo(k)fluoranthene
Concen: 7.752 ng m
RT: 24.557 min Scan# 3578
Delta R.T. -0.011 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

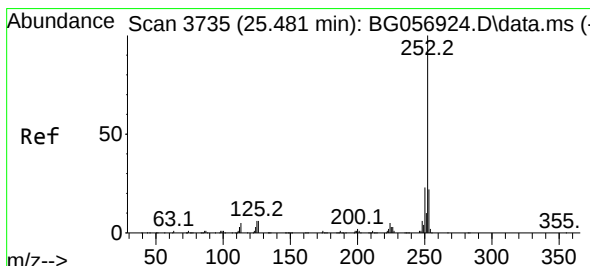
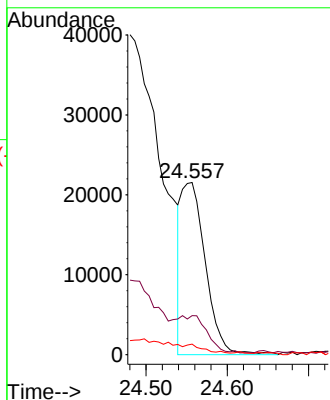
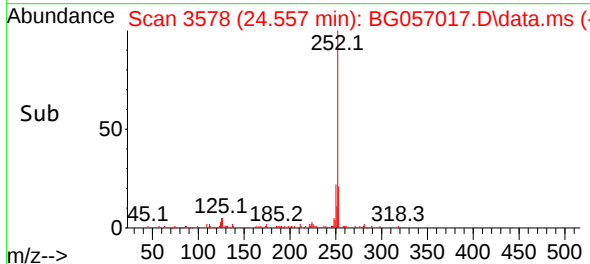
Instrument :
BNA_G
ClientSampleId :
72-11929



Tgt Ion:252 Resp: 44318
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 6.1 3.8 5.6

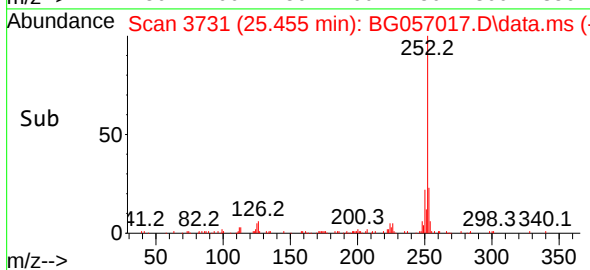
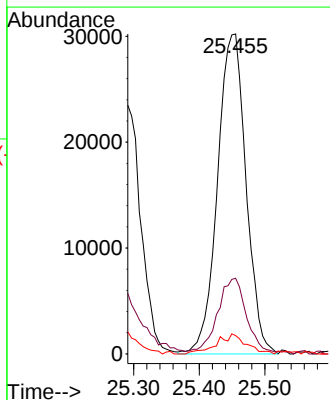
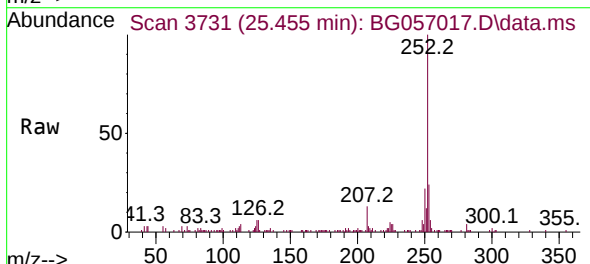
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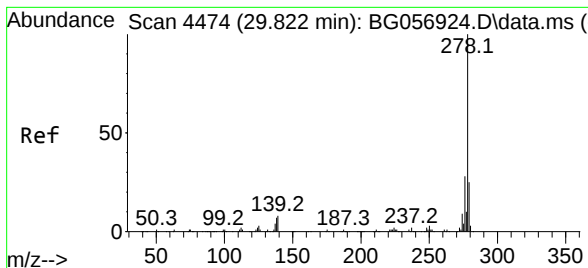
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#90
Benzo(a)pyrene
Concen: 16.239 ng
RT: 25.455 min Scan# 3731
Delta R.T. -0.005 min
Lab File: BG057017.D
Acq: 6 Apr 2023 18:19

Tgt Ion:252 Resp: 91382
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 5.7 4.5 6.7





#91

Dibenzo(a,h)anthracene

Concen: 3.058 ng m

RT: 29.755 min Scan# 4474

Delta R.T. -0.035 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Instrument :

BNA_G

ClientSampleId :

72-11929

Tgt Ion: 278 Resp: 17014

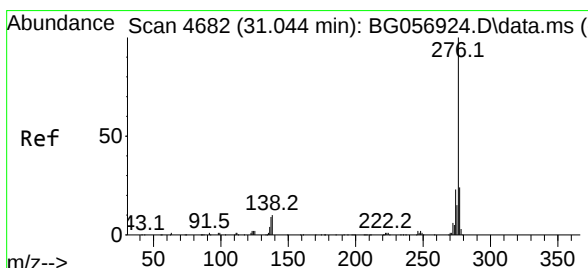
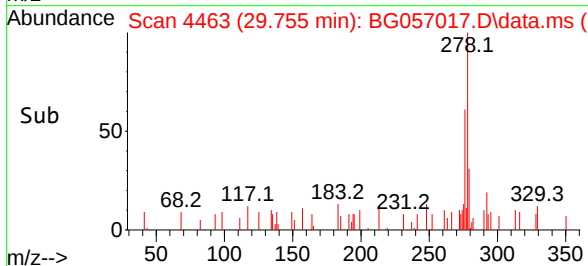
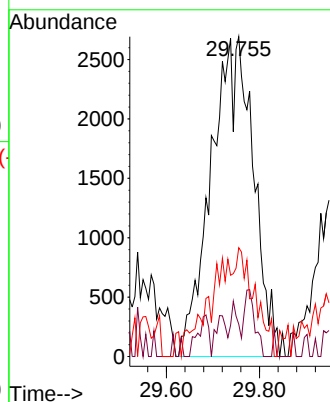
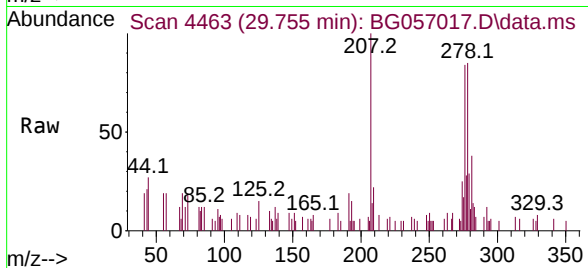
Ion	Ratio	Lower	Upper
278	100		
139	10.1	6.4	9.6
279	34.0	20.2	30.2

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 04/07/2023

Supervised By : Jagrut Upadhyay 04/07/2023



#92

Benzo(g,h,i)perylene

Concen: 9.811 ng

RT: 30.995 min Scan# 4674

Delta R.T. -0.017 min

Lab File: BG057017.D

Acq: 6 Apr 2023 18:19

Tgt Ion: 276 Resp: 53443

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	17.1	8.2	12.2

