

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056524.D
 Acq On : 2 Feb 2023 21:37
 Operator : CG/JU
 Sample : 01386-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-14-013123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

Quant Time: Feb 03 05:59:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.279	152	42160	20.000	ng	0.00
21) Naphthalene-d8	11.111	136	155810	20.000	ng	0.00
39) Acenaphthene-d10	14.895	164	111459	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	252931	20.000	ng	0.00
76) Chrysene-d12	21.928	240	241683	20.000	ng	0.00
86) Perylene-d12	25.353	264	270347	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.799	112	269805	117.725	ng	0.00
7) Phenol-d6	7.421	99	367012	108.080	ng	0.00
23) Nitrobenzene-d5	9.454	82	194882	71.025	ng	0.00
42) 2,4,6-Tribromophenol	16.381	330	148225	100.032	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	612990	76.249	ng	0.00
79) Terphenyl-d14	20.212	244	982921	71.431	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.680	178	194734	14.710	ng	99
72) Anthracene	17.768	178	53850	3.963	ng	99
75) Fluoranthene	19.671	202	727124	43.520	ng	100
78) Pyrene	20.030	202	789568	45.934	ng	100
81) Benzo(a)anthracene	21.904	228	437108	25.870	ng	99
83) Chrysene	21.975	228	378441	23.841	ng	98
87) Indeno(1,2,3-cd)pyrene	29.301	276	323662	16.355	ng	98
88) Benzo(b)fluoranthene	24.260	252	582234	34.698	ng	97
89) Benzo(k)fluoranthene	24.331	252	196296m	11.586	ng	
90) Benzo(a)pyrene	25.194	252	488189	29.534	ng	99
91) Dibenzo(a,h)anthracene	29.331	278	81029	4.878	ng	# 95
92) Benzo(g,h,i)perylene	30.535	276	345782	21.573	ng	98

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

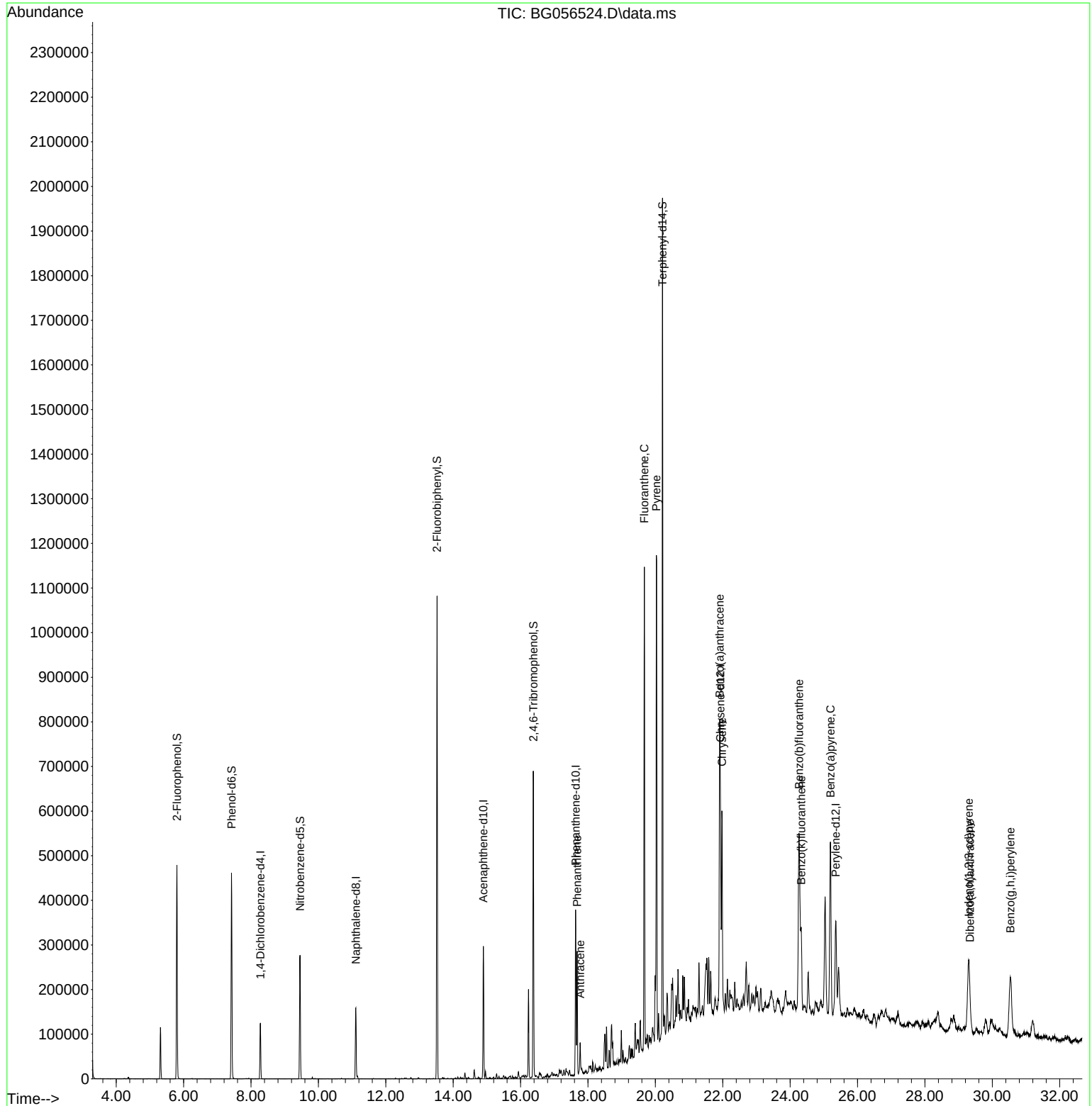
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056524.D
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Operator : CG/JU
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ALS Vial : 9 Sample Multiplier: 1

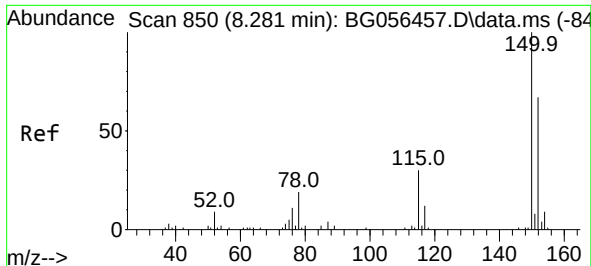
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Quant Time: Feb 03 05:59:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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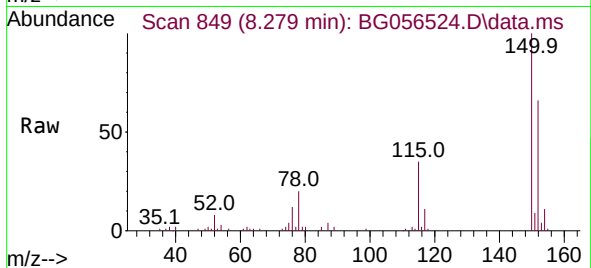
Reviewed By : Christian Giraldo 02/03/2023
Supervised By : Jagrut Upadhyay 02/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.279 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

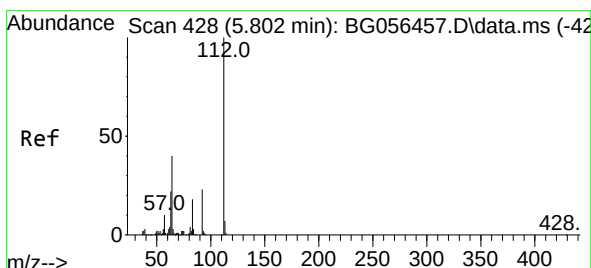
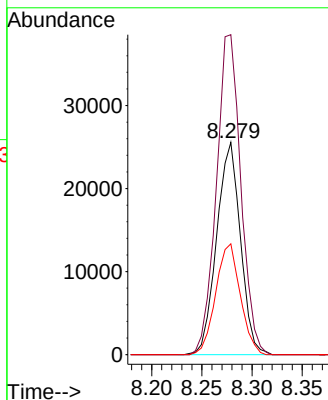
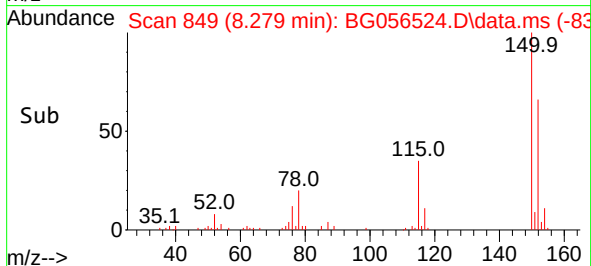
Instrument :
BNA_G
ClientSampleId :
JPP-14-013123



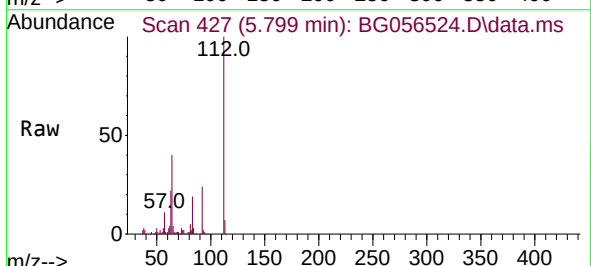
Tgt Ion:152 Resp: 42160
Ion Ratio Lower Upper
152 100
150 150.8 120.2 180.4
115 52.2 36.3 54.5

Manual Integrations
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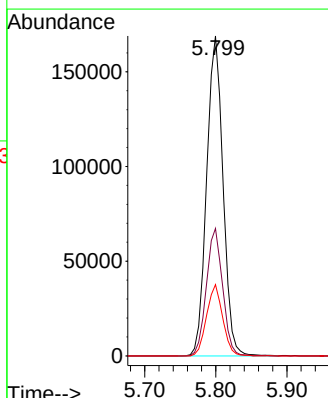
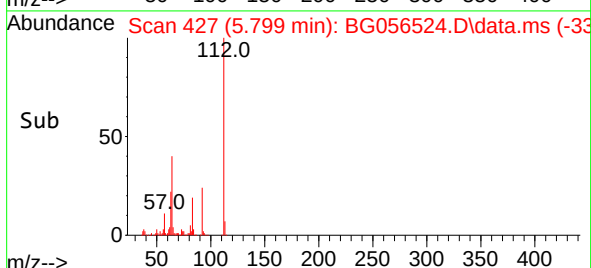
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

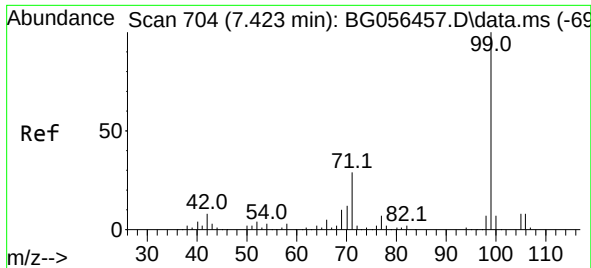


#5
2-Fluorophenol
Concen: 117.725 ng
RT: 5.799 min Scan# 427
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37



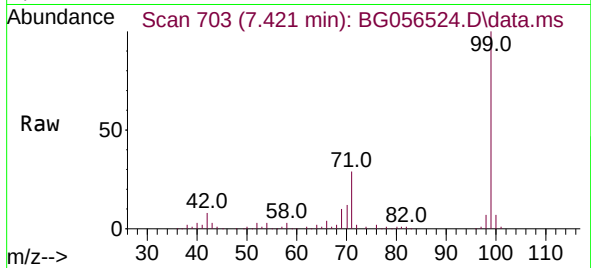
Tgt Ion:112 Resp: 269805
Ion Ratio Lower Upper
112 100
64 39.8 31.9 47.9
63 22.3 17.4 26.0





#7
Phenol-d6
Concen: 108.080 ng
RT: 7.421 min Scan# 704
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

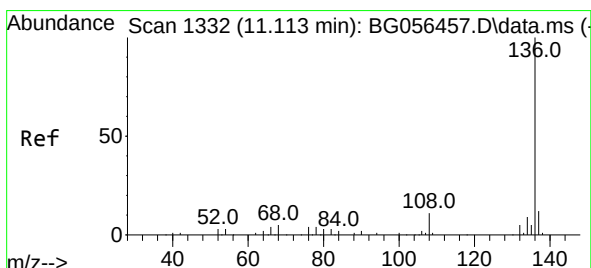
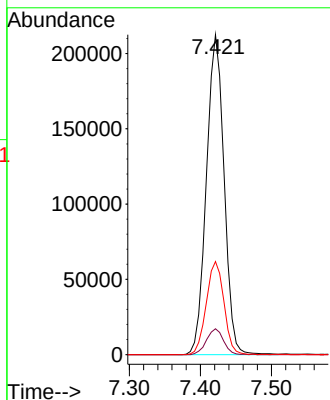
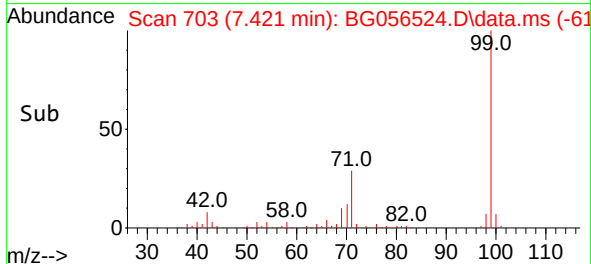
Instrument :
BNA_G
ClientSampleId :
JPP-14-013123



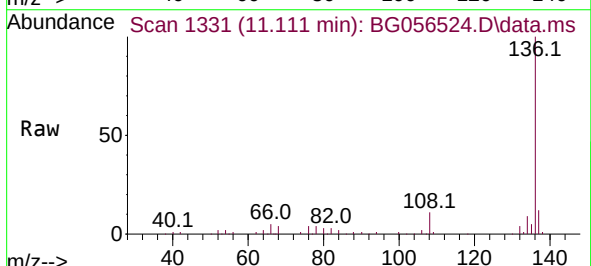
Tgt Ion: 99 Resp: 367012
Ion Ratio Lower Upper
99 100
42 8.1 6.6 10.0
71 29.1 23.4 35.0

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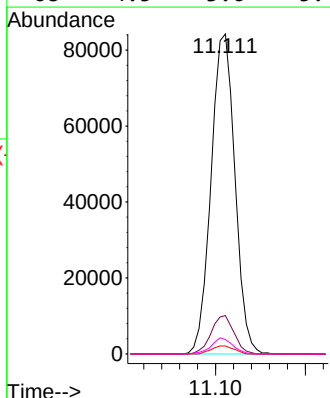
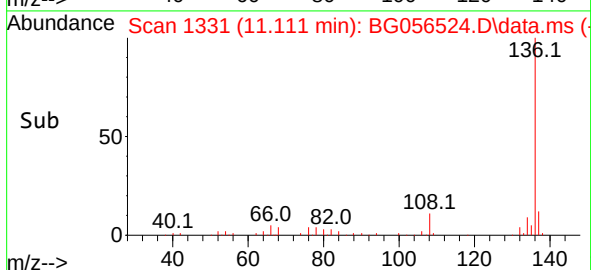
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

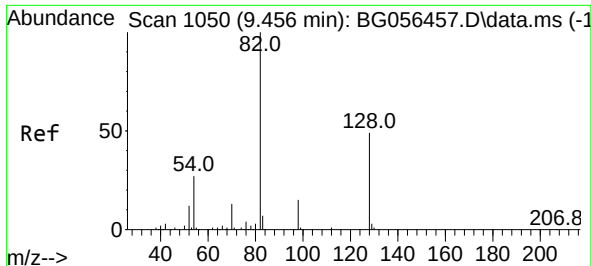


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.111 min Scan# 1331
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37



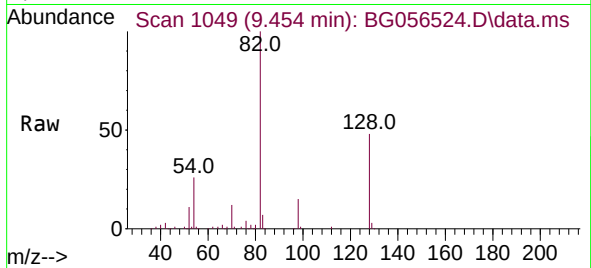
Tgt Ion:136 Resp: 155810
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.0
54 2.5 2.2 3.4
68 4.5 3.6 5.4





#23
Nitrobenzene-d5
Concen: 71.025 ng
RT: 9.454 min Scan# 1049
Delta R.T. -0.002 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

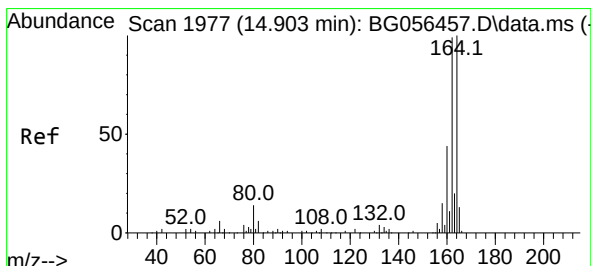
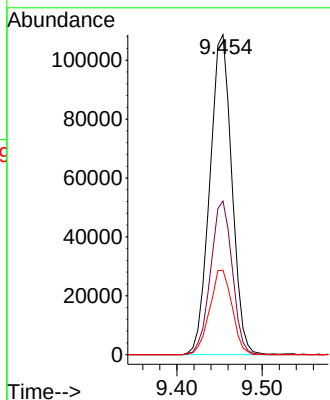
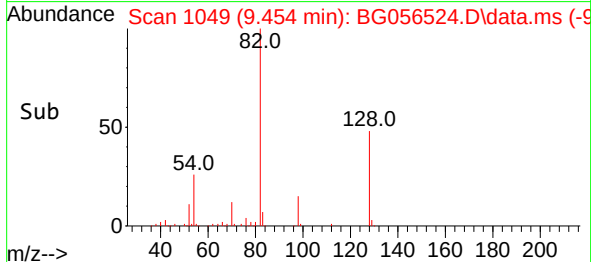
Instrument :
BNA_G
ClientSampleId :
JPP-14-013123



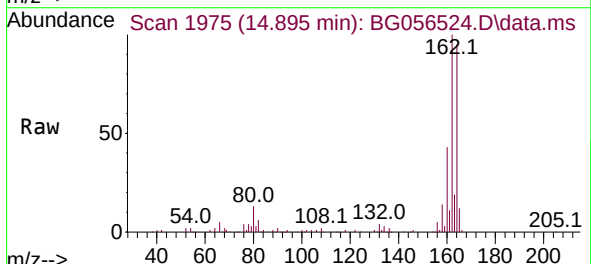
Tgt Ion: 82 Resp: 194882
Ion Ratio Lower Upper
82 100
128 48.0 39.4 59.2
54 26.4 21.4 32.2

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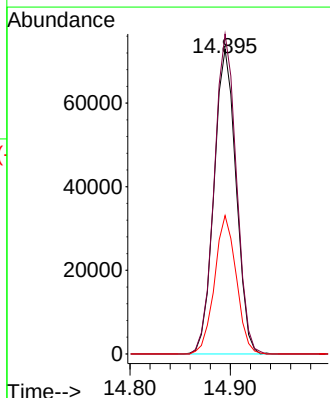
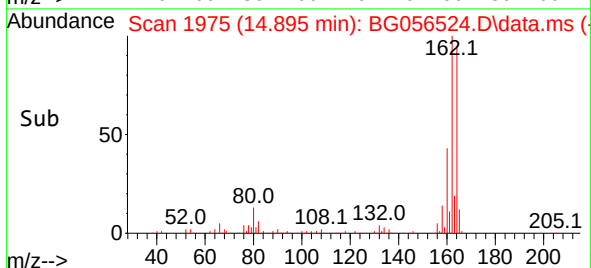
Reviewed By :Christian Giraldo 02/03/2023
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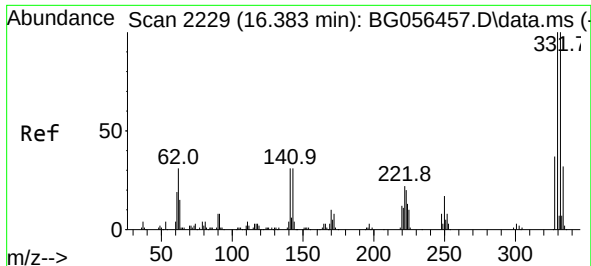


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 1975
Delta R.T. -0.002 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37



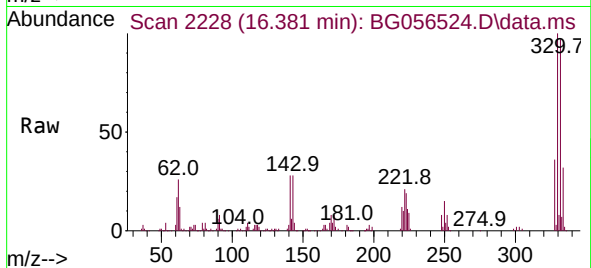
Tgt Ion:164 Resp: 111459
Ion Ratio Lower Upper
164 100
162 105.0 79.6 119.4
160 45.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 100.032 ng
RT: 16.381 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

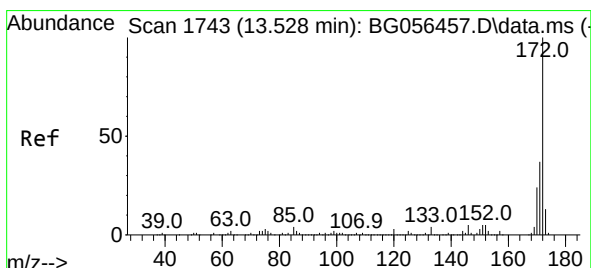
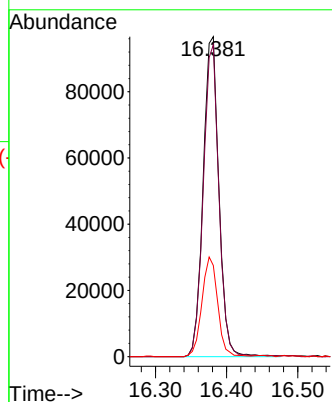
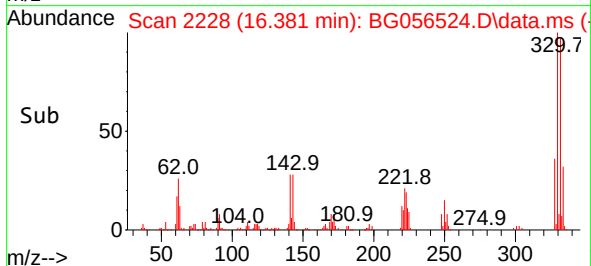
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BNA_G
ClientSampleId :
JPP-14-013123



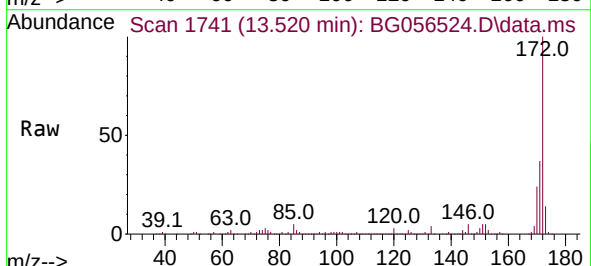
Tgt Ion:330 Resp: 148225
Ion Ratio Lower Upper
330 100
332 96.4 79.0 118.6
141 31.1 24.2 36.4

Manual Integrations
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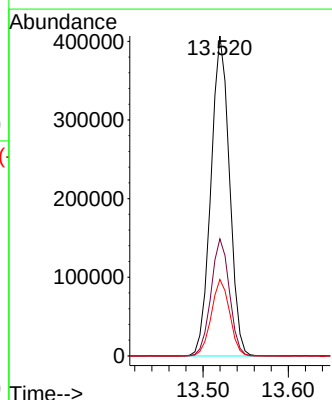
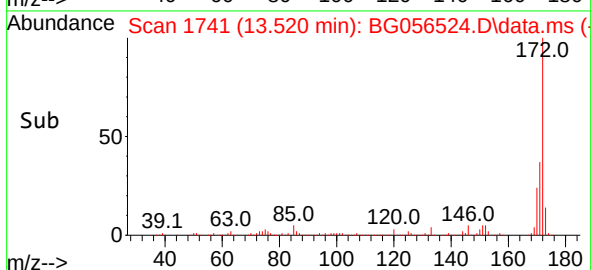
Reviewed By :Christian Giraldo 02/03/2023
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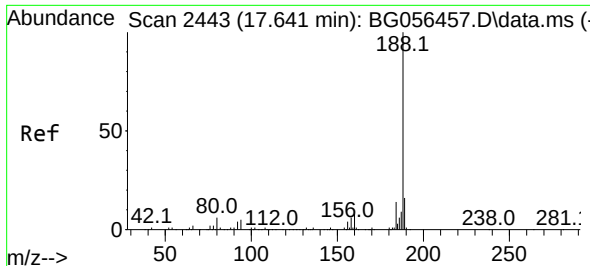


#45
2-Fluorobiphenyl
Concen: 76.249 ng
RT: 13.520 min Scan# 1741
Delta R.T. -0.002 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37



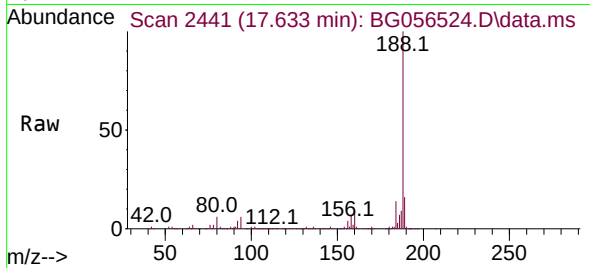
Tgt Ion:172 Resp: 612990
Ion Ratio Lower Upper
172 100
171 36.6 29.5 44.3
170 23.9 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.633 min Scan# 2441
Delta R.T. -0.002 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

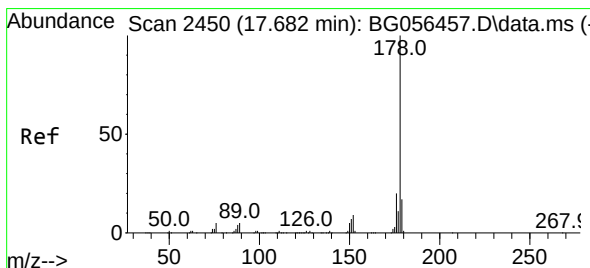
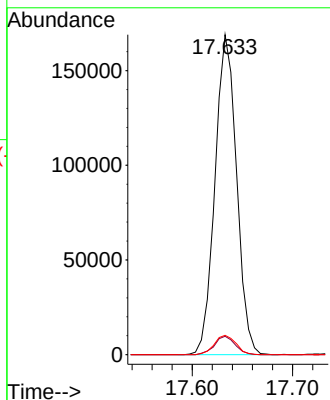
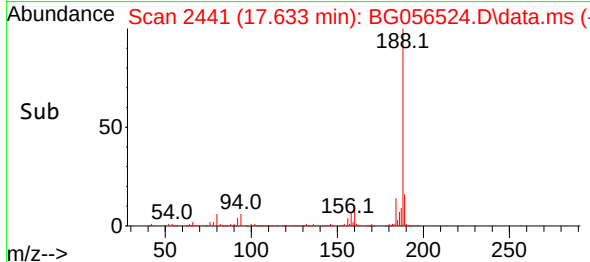
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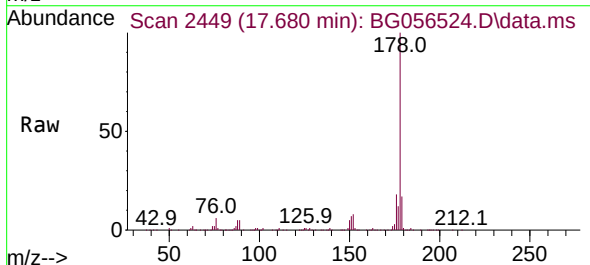
Tgt Ion:188 Resp: 252931
Ion Ratio Lower Upper
188 100
94 5.7 4.1 6.1
80 6.0 5.0 7.4

Manual Integrations
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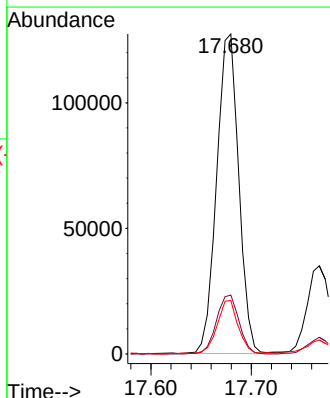
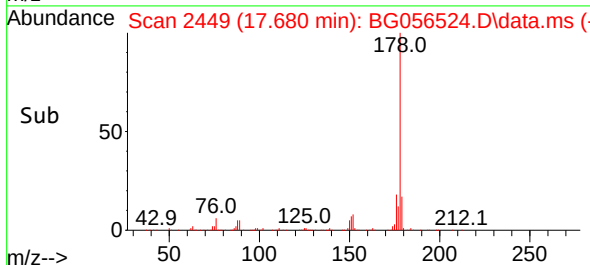
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

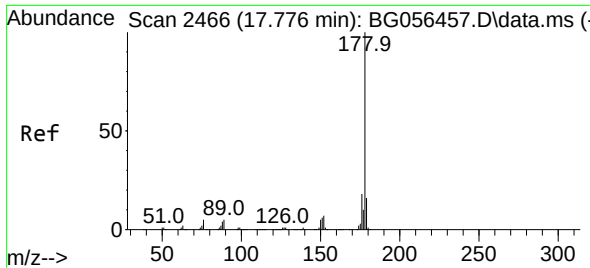


#71
Phenanthrene
Concen: 14.710 ng
RT: 17.680 min Scan# 2449
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37



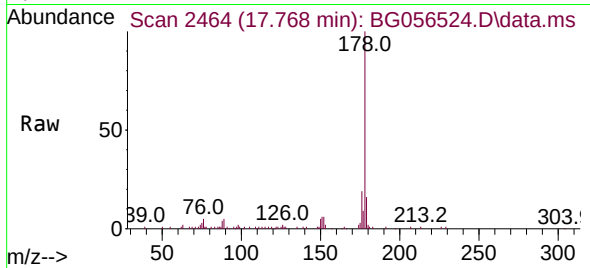
Tgt Ion:178 Resp: 194734
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 16.7 13.3 19.9





#72
 Anthracene
 Concen: 3.963 ng
 RT: 17.768 min Scan# 2466
 Delta R.T. -0.002 min
 Lab File: BG056524.D
 Acq: 2 Feb 2023 21:37

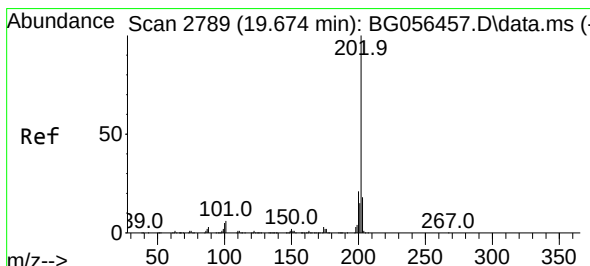
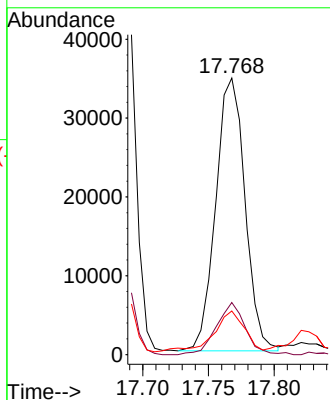
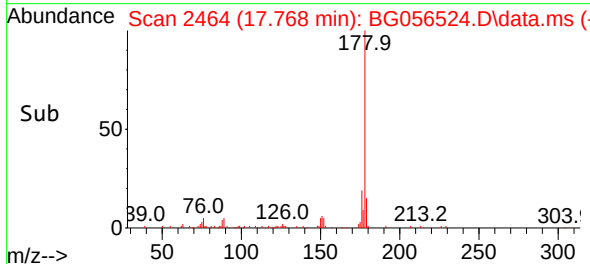
Instrument :
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Tgt Ion:178 Resp: 53850
 Ion Ratio Lower Upper
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 176 18.8 14.5 21.7
 179 15.8 12.5 18.7

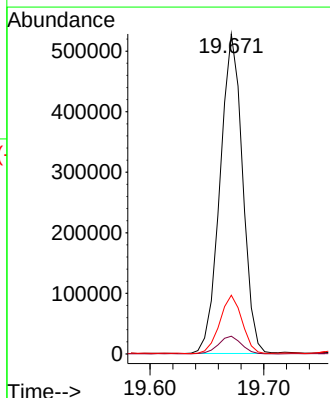
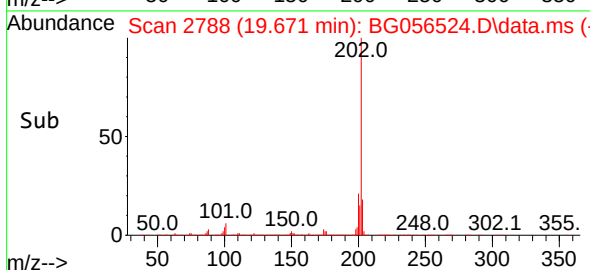
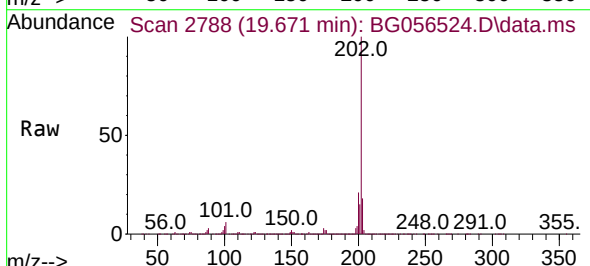
Manual Integrations
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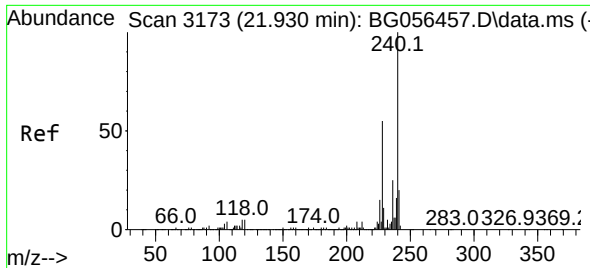
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#75
 Fluoranthene
 Concen: 43.520 ng
 RT: 19.671 min Scan# 2788
 Delta R.T. 0.003 min
 Lab File: BG056524.D
 Acq: 2 Feb 2023 21:37

Tgt Ion:202 Resp: 727124
 Ion Ratio Lower Upper
 202 100
 101 5.5 0.0 25.6
 203 18.4 0.0 38.1





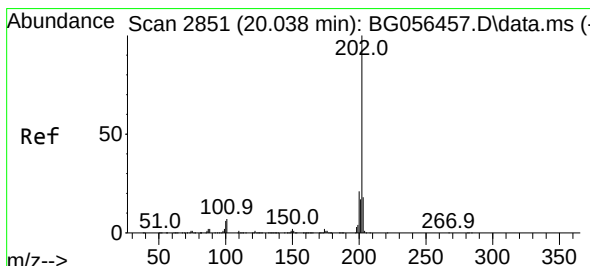
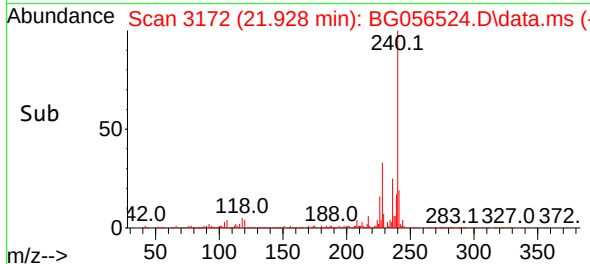
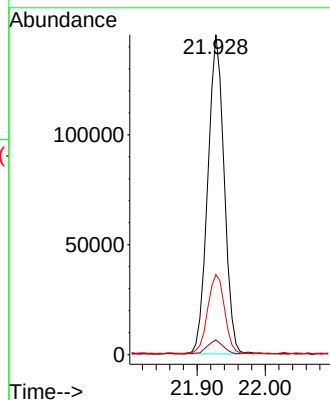
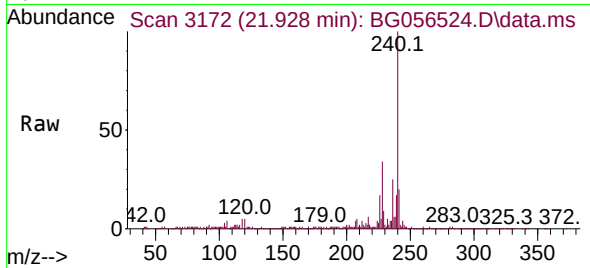
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.928 min Scan# 3172
Delta R.T. 0.003 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

Instrument :
BNA_G
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JPP-14-013123

Tgt Ion:240 Resp: 241683
Ion Ratio Lower Upper
240 100
120 4.6 3.8 5.8
236 25.0 20.2 30.2

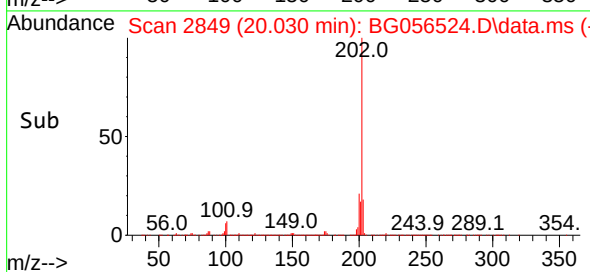
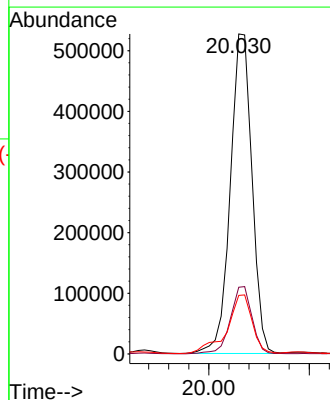
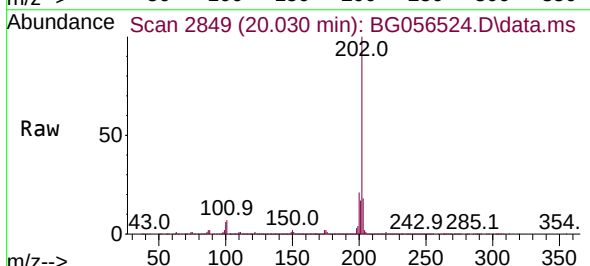
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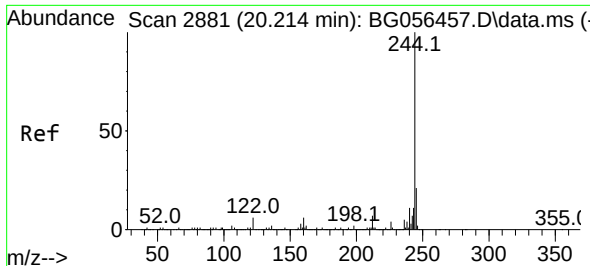
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#78
Pyrene
Concen: 45.934 ng
RT: 20.030 min Scan# 2849
Delta R.T. -0.002 min
Lab File: BG056524.D
Acq: 2 Feb 2023 21:37

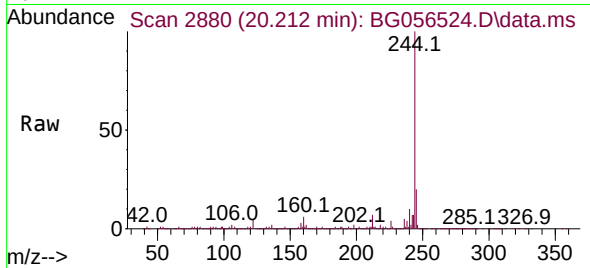
Tgt Ion:202 Resp: 789568
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 18.3 14.4 21.6





#79
 Terphenyl-d14
 Concen: 71.431 ng
 RT: 20.212 min Scan# 2881
 Delta R.T. 0.003 min
 Lab File: BG056524.D
 Acq: 2 Feb 2023 21:37

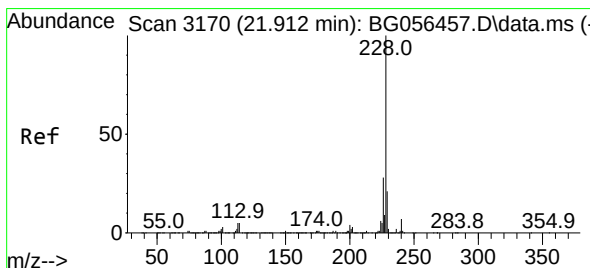
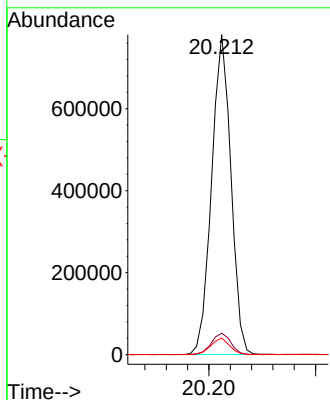
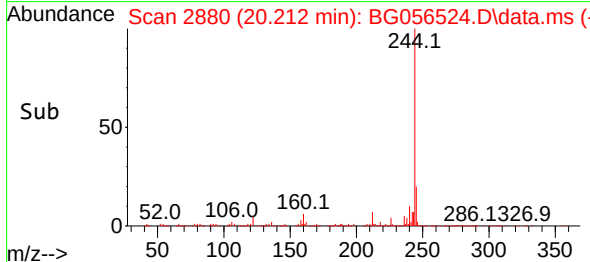
Instrument :
 BNA_G
 ClientSampleId :
 JPP-14-013123



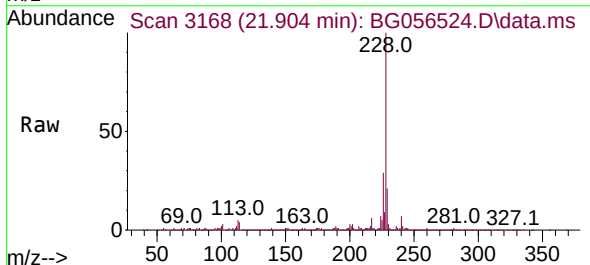
Tgt Ion:244 Resp: 982921
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 5.2 4.4 6.6

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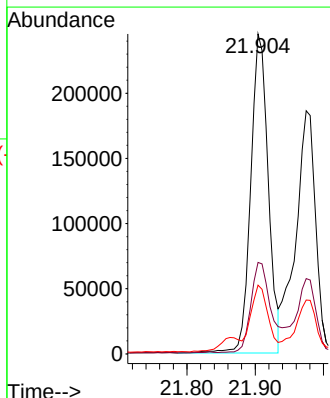
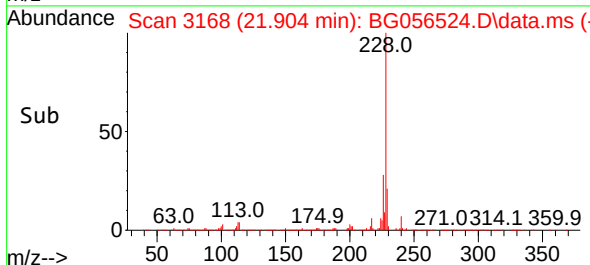
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023

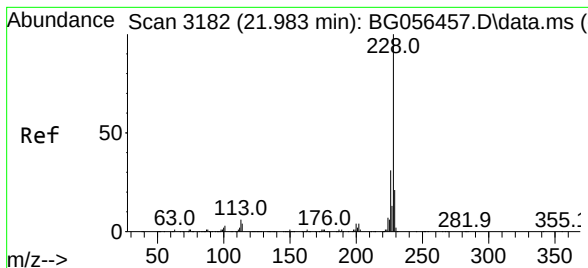


#81
 Benzo(a)anthracene
 Concen: 25.870 ng
 RT: 21.904 min Scan# 3168
 Delta R.T. 0.003 min
 Lab File: BG056524.D
 Acq: 2 Feb 2023 21:37



Tgt Ion:228 Resp: 437108
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.4 33.6
 229 21.5 16.5 24.7





#83

Chrysene

Concen: 23.841 ng

RT: 21.975 min Scan# 3180

Delta R.T. -0.002 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Instrument :

BNA_G

ClientSampleId :

JPP-14-013123

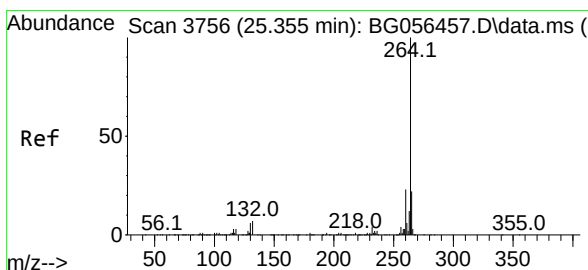
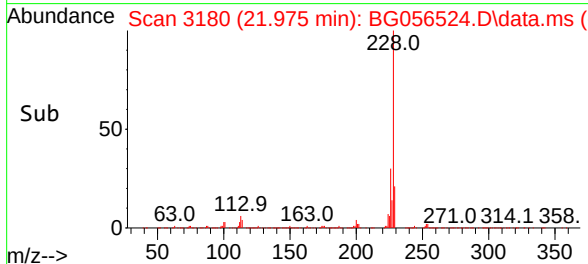
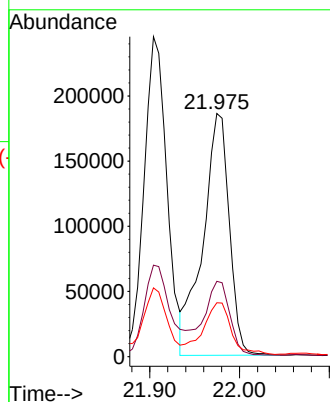
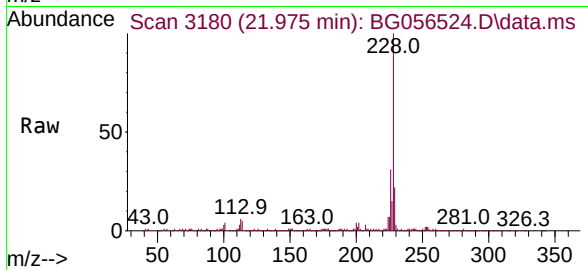
Tgt Ion:228 Resp: 37844

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.4
229	22.1	16.4	24.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.353 min Scan# 3755

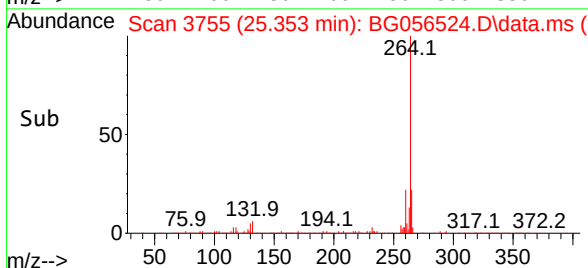
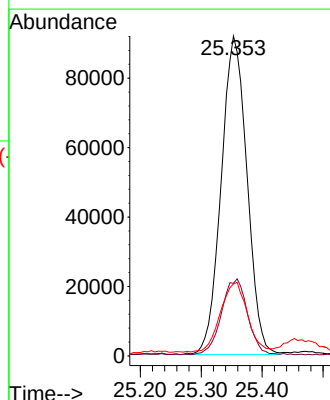
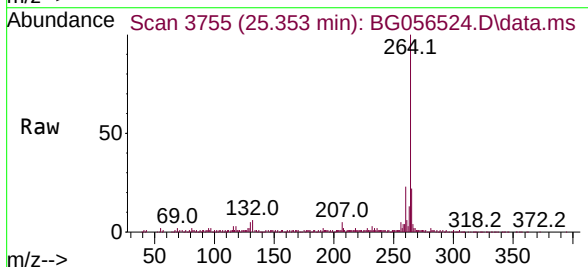
Delta R.T. 0.009 min

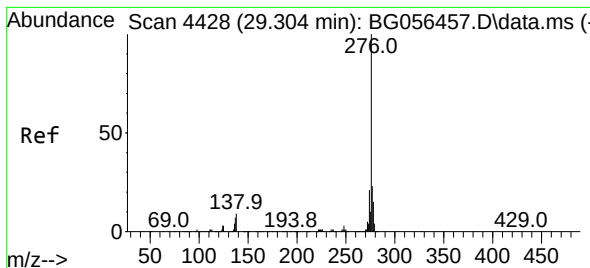
Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Tgt Ion:264 Resp: 270347

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	22.5	18.1	27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.355 ng

RT: 29.301 min Scan# 4428

Delta R.T. 0.021 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Instrument :

BNA_G

ClientSampleId :

JPP-14-013123

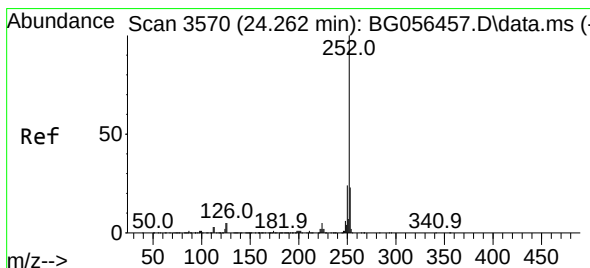
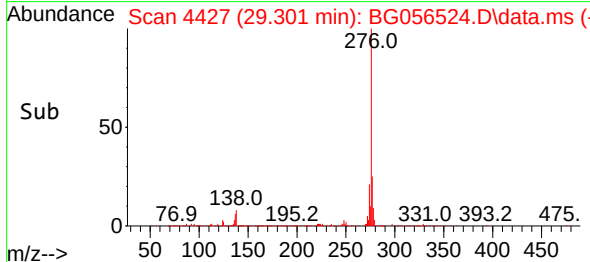
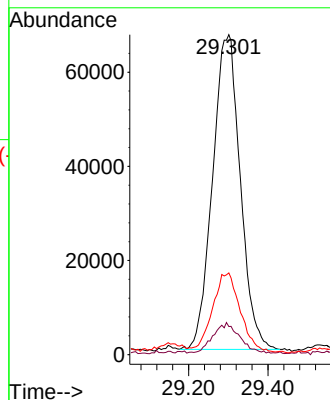
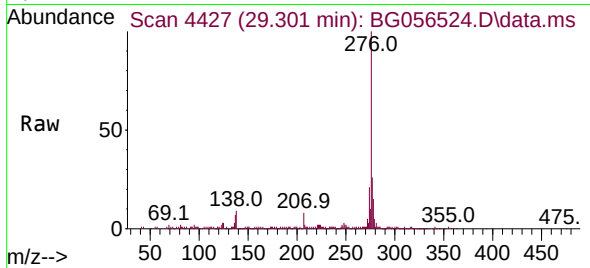
Tgt Ion:	276	Resp:	323662
Ion Ratio	Lower	Upper	
276	100		
138	9.5	9.4	14.2
277	25.1	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#88

Benzo(b)fluoranthene

Concen: 34.698 ng

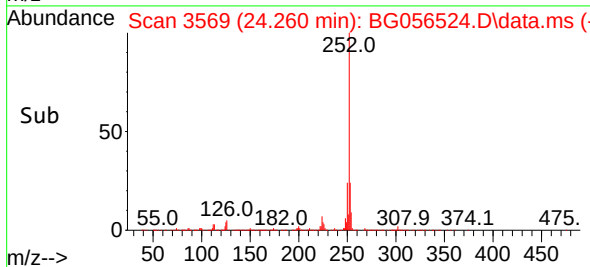
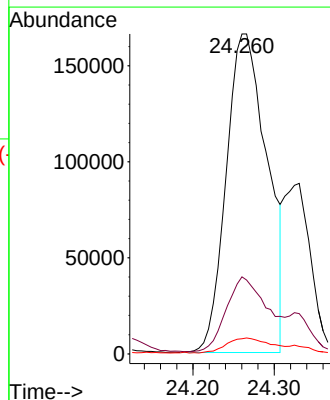
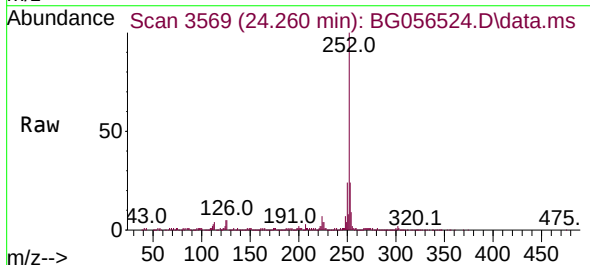
RT: 24.260 min Scan# 3569

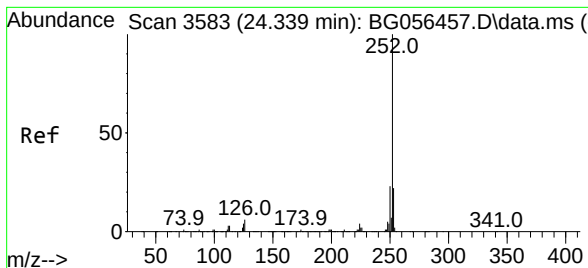
Delta R.T. 0.009 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Tgt Ion:	252	Resp:	582234
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.1	27.1
125	4.7	3.9	5.9





#89

Benzo(k)fluoranthene

Concen: 11.586 ng m

RT: 24.331 min Scan# 3583

Delta R.T. 0.009 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

Instrument :

BNA_G

ClientSampleId :

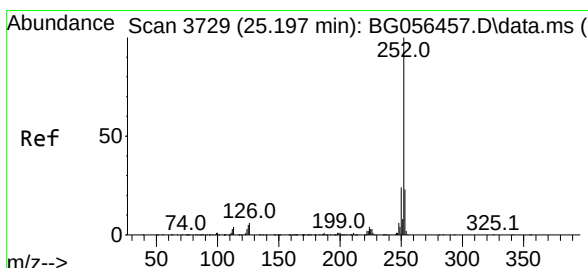
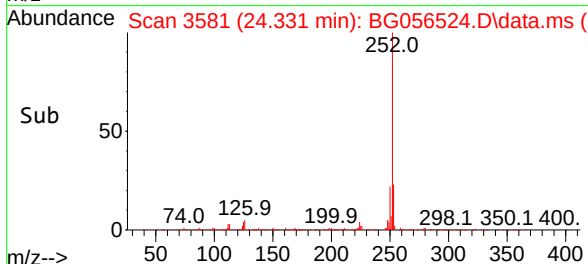
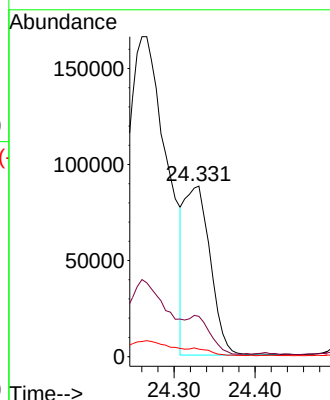
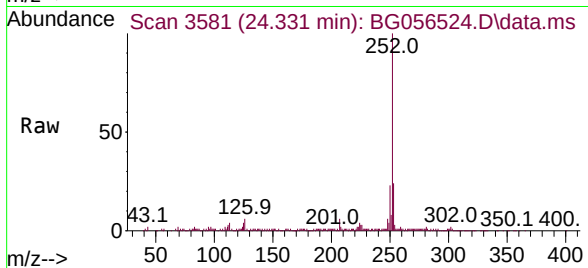
JPP-14-013123

Tgt Ion:252 Resp: 196296
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.5 26.3
 125 4.4 3.4 5.0

Manual Integrations

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Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#90

Benzo(a)pyrene

Concen: 29.534 ng

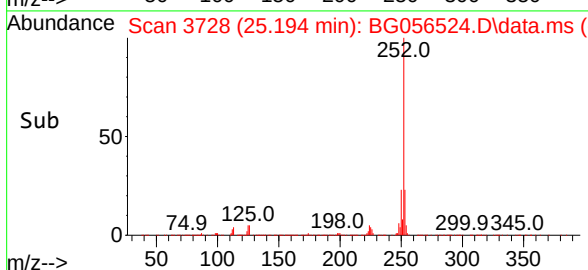
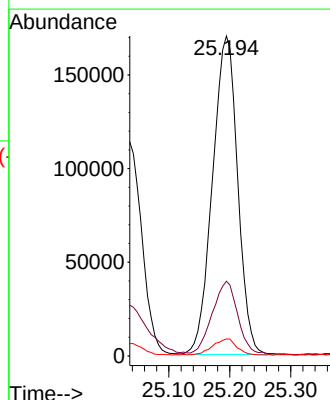
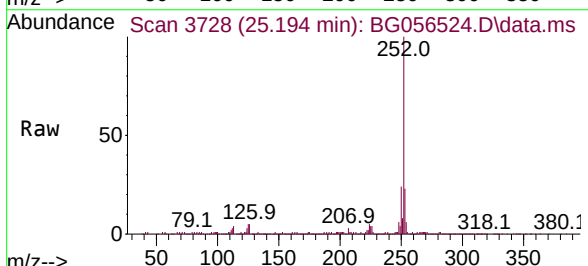
RT: 25.194 min Scan# 3728

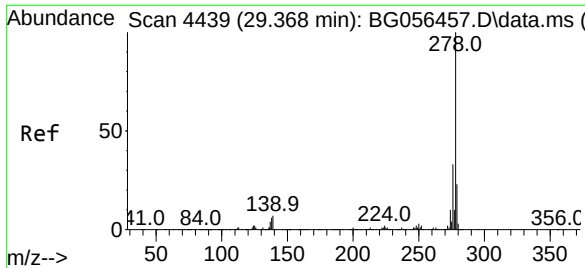
Delta R.T. 0.009 min

Lab File: BG056524.D

Acq: 2 Feb 2023 21:37

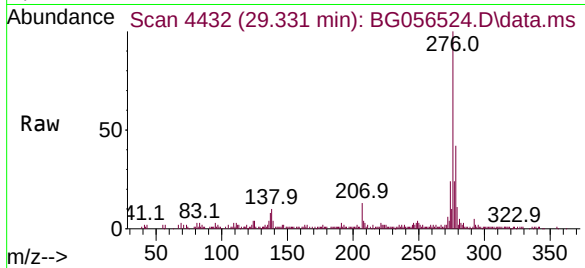
Tgt Ion:252 Resp: 488189
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.4 27.6
 125 5.3 4.1 6.1





#91
 Dibenzo(a,h)anthracene
 Concen: 4.878 ng
 RT: 29.331 min Scan# 4439
 Delta R.T. -0.014 min
 Lab File: BG056524.D
 Acq: 2 Feb 2023 21:37

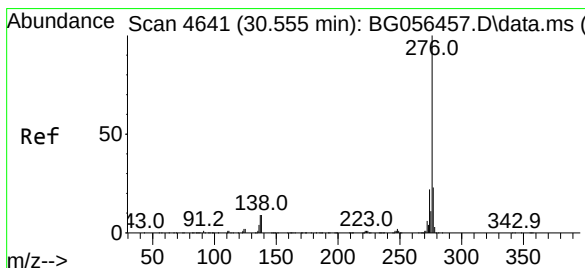
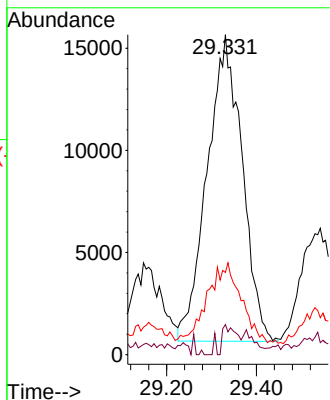
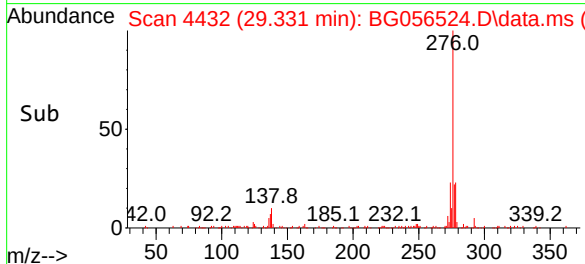
Instrument :
 BNA_G
 ClientSampleId :
 JPP-14-013123



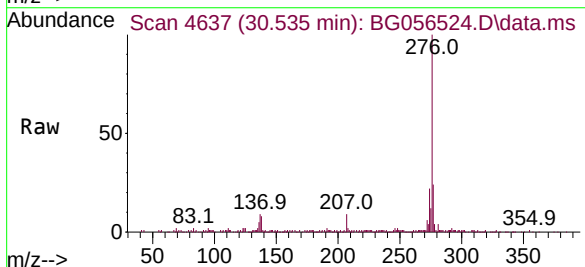
Tgt Ion:278 Resp: 81029
 Ion Ratio Lower Upper
 278 100
 139 9.4 5.5 8.3
 279 25.7 18.8 28.2

Manual Integrations
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Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023



#92
 Benzo(g,h,i)perylene
 Concen: 21.573 ng
 RT: 30.535 min Scan# 4637
 Delta R.T. 0.009 min
 Lab File: BG056524.D
 Acq: 2 Feb 2023 21:37



Tgt Ion:276 Resp: 345782
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.5 27.7
 138 8.3 7.4 11.0

