

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
 Data File : BG057121.D
 Acq On : 17 Apr 2023 21:54
 Operator : CG/JU
 Sample : 02357-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P2-S2-230413

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/18/2023
 Supervised By : Jagrut Upadhyay 04/18/2023

Quant Time: Apr 18 01:22:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 19:00:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.396	152	10301	20.000	ng	-0.02
21) Naphthalene-d8	11.239	136	42161	20.000	ng	# 0.00
39) Acenaphthene-d10	15.010	164	33398	20.000	ng	0.00
64) Phenanthrene-d10	17.748	188	77084	20.000	ng	-0.02
76) Chrysene-d12	22.066	240	97935	20.000	ng	#-0.02
86) Perylene-d12	25.596	264	105374	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.911	112	57520	89.368	ng	0.00
7) Phenol-d6	7.532	99	88881	92.331	ng	0.00
23) Nitrobenzene-d5	9.577	82	58180	56.464	ng	0.00
42) 2,4,6-Tribromophenol	16.491	330	54652	102.432	ng	0.00
45) 2-Fluorobiphenyl	13.636	172	130094	52.820	ng	0.00
79) Terphenyl-d14	20.321	244	314260	54.299	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	9.154	107	3285	3.452	ng	# 79
71) Phenanthrene	17.795	178	21636	5.505	ng	96
75) Fluoranthene	19.780	202	45927	9.219	ng	96
78) Pyrene	20.139	202	55903	8.253	ng	96
81) Benzo(a)anthracene	22.042	228	31360	4.627	ng	96
83) Chrysene	22.118	228	31468m	4.959	ng	
87) Indeno(1,2,3-cd)pyrene	29.667	276	19067	2.448	ng	# 76
88) Benzo(b)fluoranthene	24.462	252	41133	6.242	ng	# 91
90) Benzo(a)pyrene	25.426	252	30373	4.691	ng	# 93
92) Benzo(g,h,i)perylene	30.948	276	17008	2.713	ng	98

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

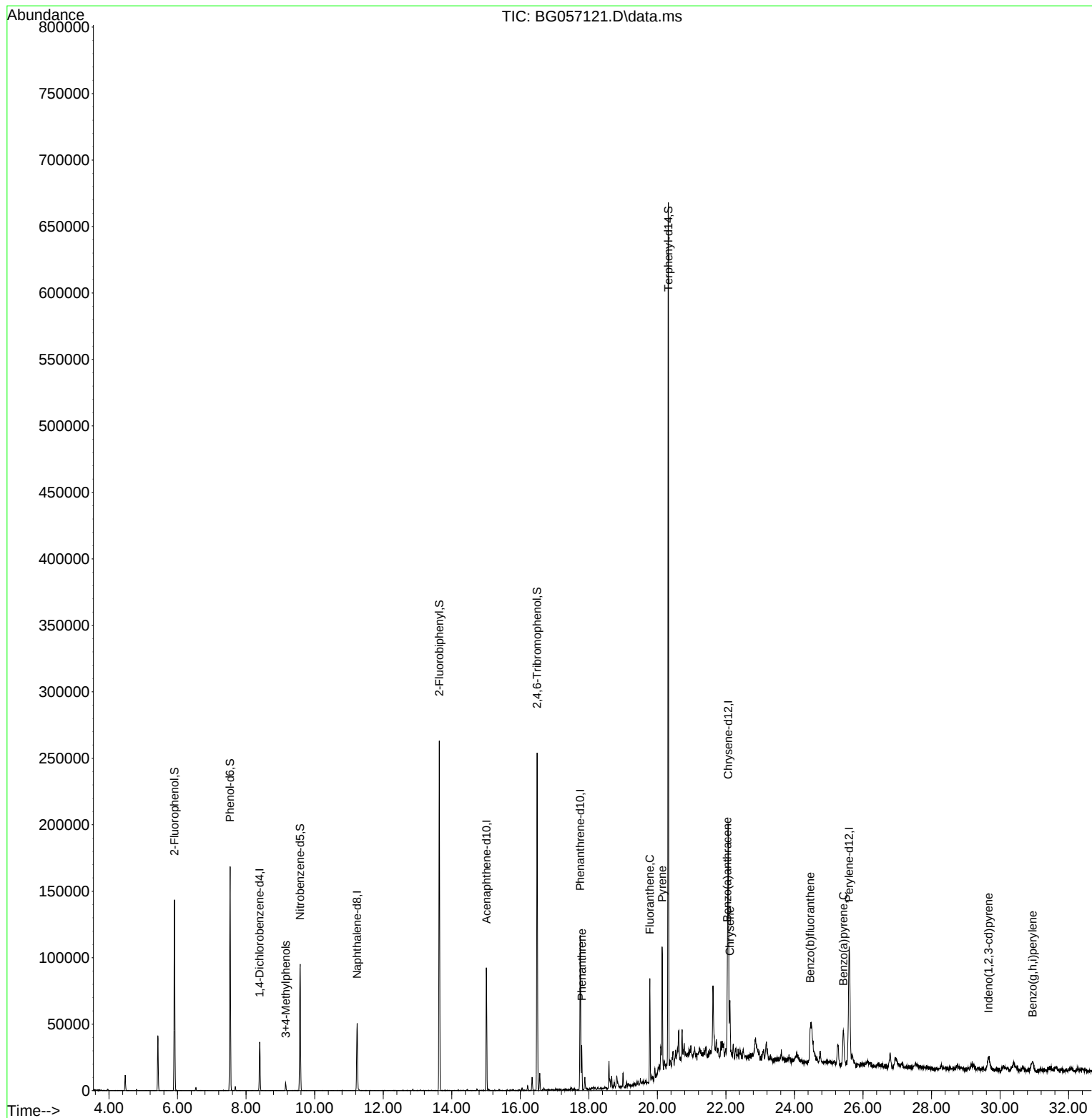
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
Data File : BG057121.D
Acq On : 17 Apr 2023 21:54
Operator : CG/JU
Sample : 02357-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

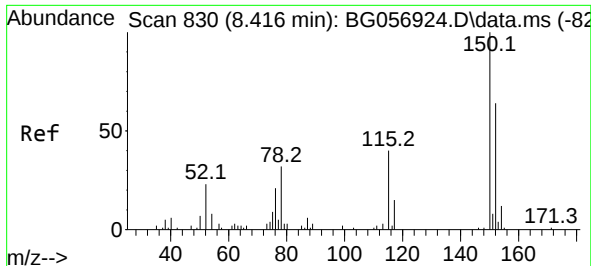
Instrument :
BNA_G
ClientSampleId :
P2-S2-230413

Quant Time: Apr 18 01:22:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 19:00:08 2023
Response via : Initial Calibration

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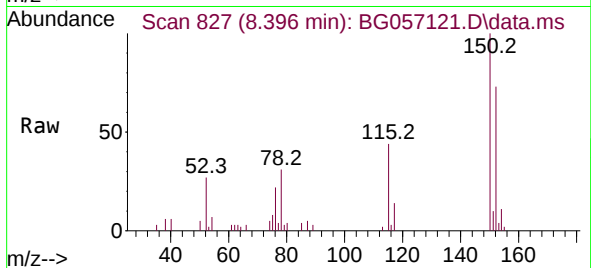
Reviewed By : Christian Giraldo 04/18/2023
Supervised By : Jagrut Upadhyay 04/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.396 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

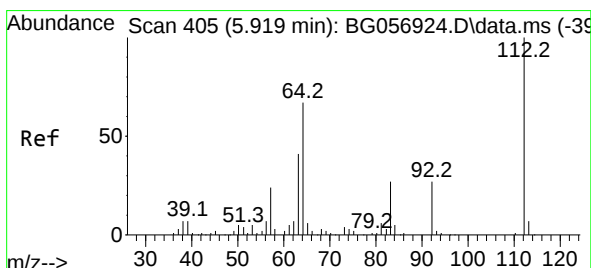
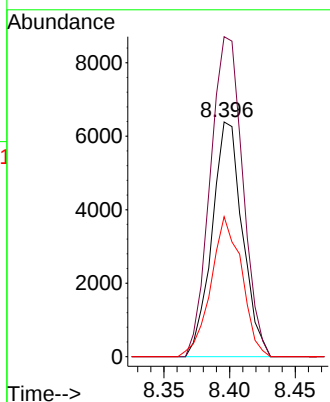
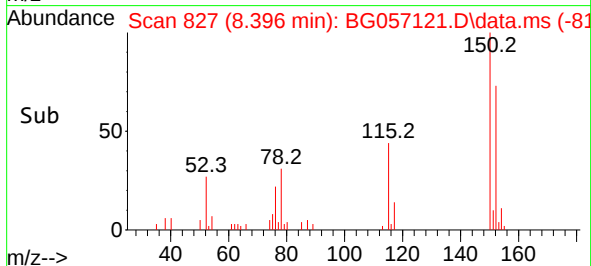
Instrument :
BNA_G
ClientSampleId :
P2-S2-230413



Tgt Ion:152 Resp: 1030
Ion Ratio Lower Upper
152 100
150 136.3 124.1 186.1
115 59.6 49.1 73.7

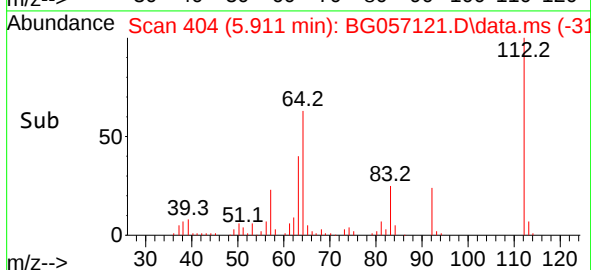
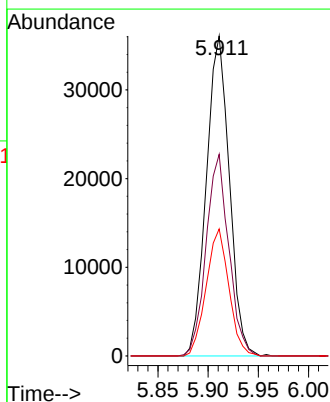
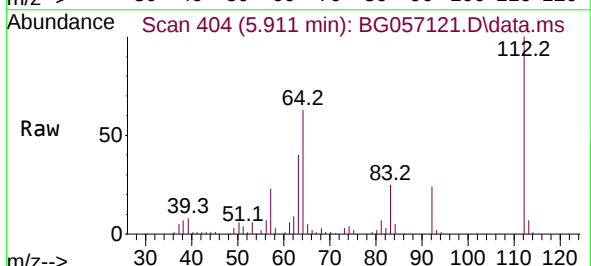
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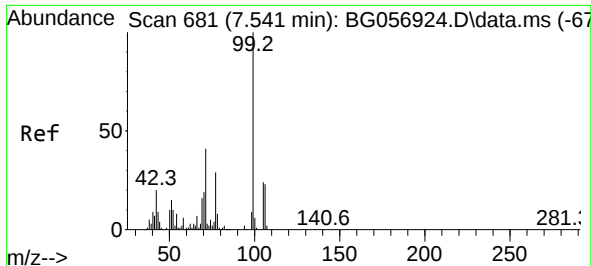
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#5
2-Fluorophenol
Concen: 89.368 ng
RT: 5.911 min Scan# 404
Delta R.T. -0.004 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

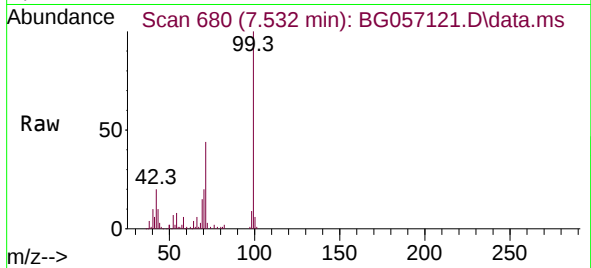
Tgt Ion:112 Resp: 57520
Ion Ratio Lower Upper
112 100
64 63.0 53.2 79.8
63 39.7 32.6 48.8





#7
Phenol-d6
Concen: 92.331 ng
RT: 7.532 min Scan# 681
Delta R.T. -0.004 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

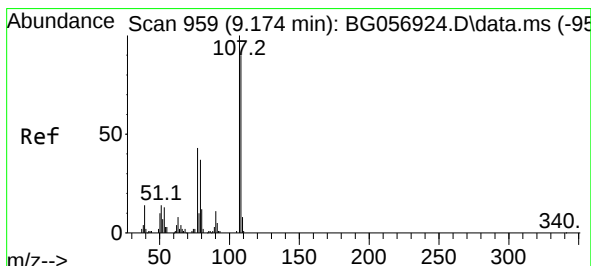
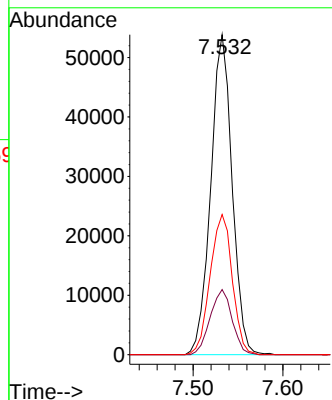
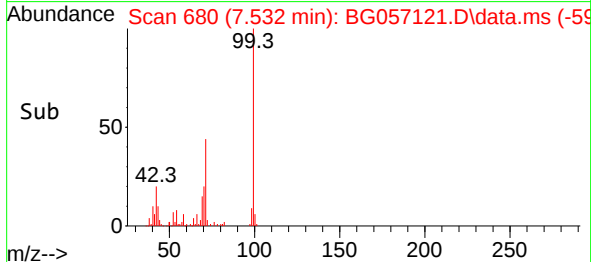
Instrument :
BNA_G
ClientSampleId :
P2-S2-230413



Tgt Ion: 99 Resp: 8888
Ion Ratio Lower Upper
99 100
42 20.4 15.7 23.5
71 43.8 32.5 48.7

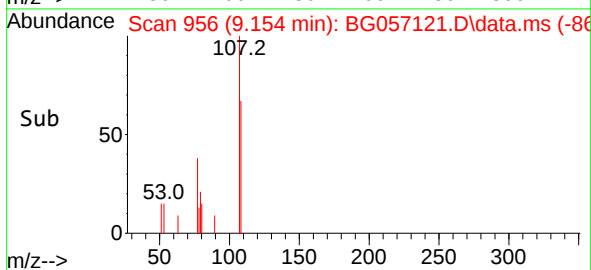
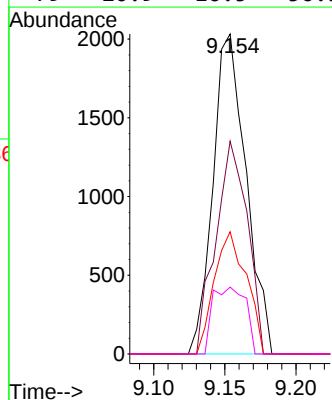
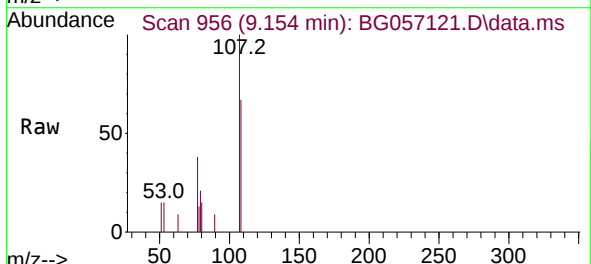
Manual Integrations
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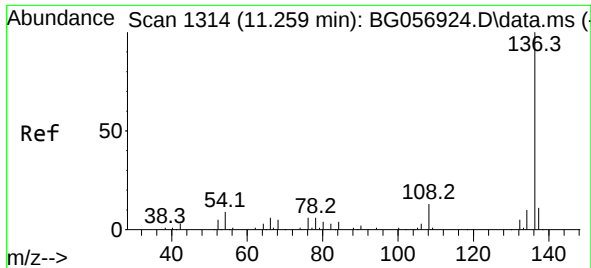
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#20
3+4-Methylphenols
Concen: 3.452 ng
RT: 9.154 min Scan# 956
Delta R.T. -0.015 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion:107 Resp: 3285
Ion Ratio Lower Upper
107 100
108 66.5 69.9 109.9#
77 38.2 22.7 62.7
79 20.9 16.5 56.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

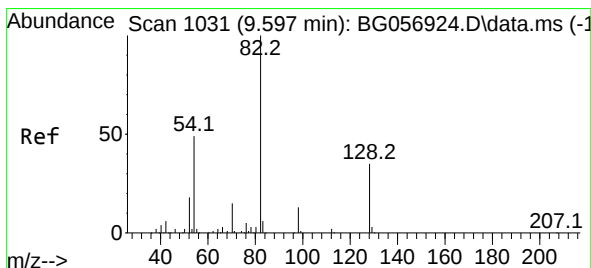
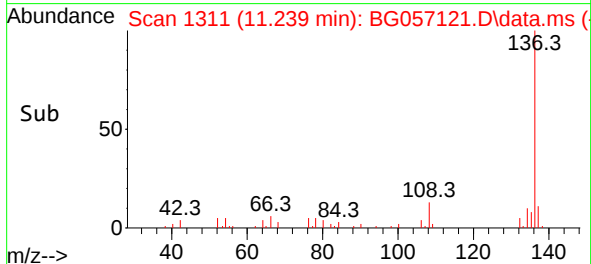
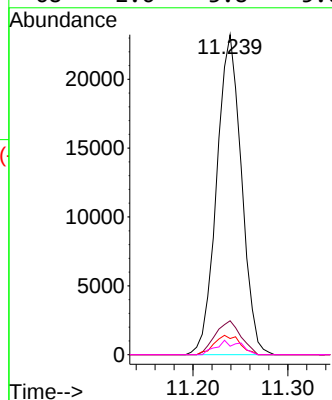
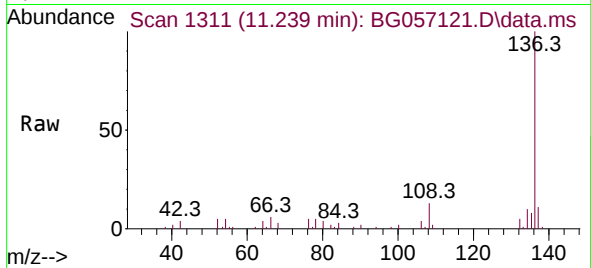
P2-S2-230413

Tgt Ion:136 Resp: 4216
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 5.0 6.9 10.3
68 2.6 3.8 5.6#

Manual Integrations

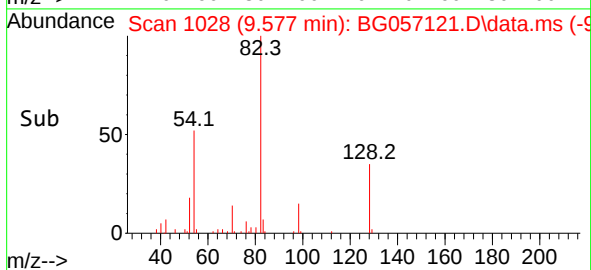
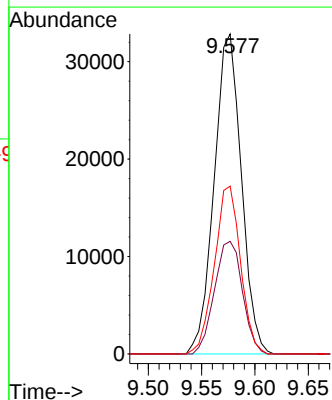
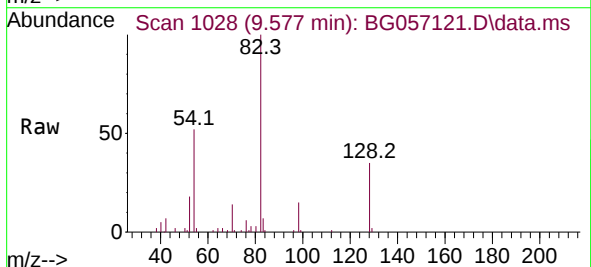
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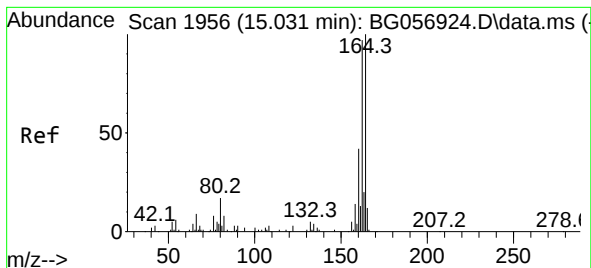
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#23
Nitrobenzene-d5
Concen: 56.464 ng
RT: 9.577 min Scan# 1028
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion: 82 Resp: 58180
Ion Ratio Lower Upper
82 100
128 35.2 27.9 41.9
54 52.5 39.4 59.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.010 min Scan# 1953

Delta R.T. -0.009 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413

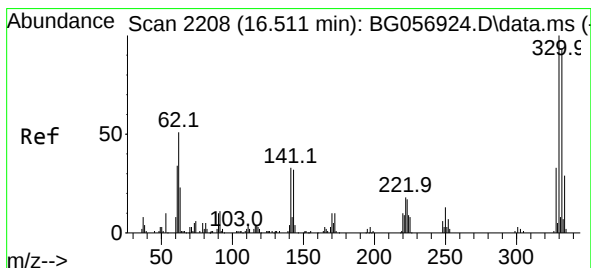
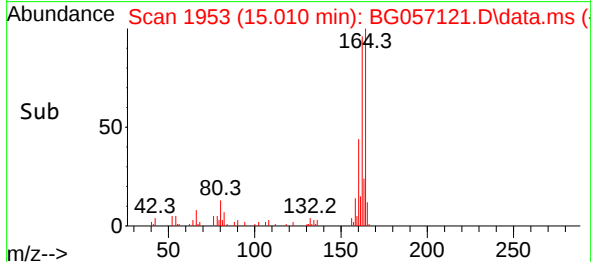
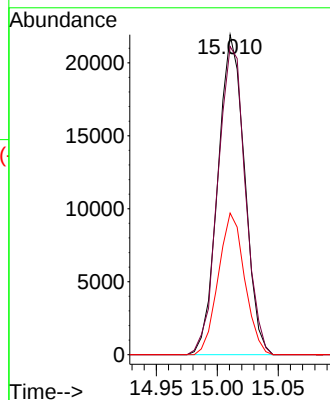
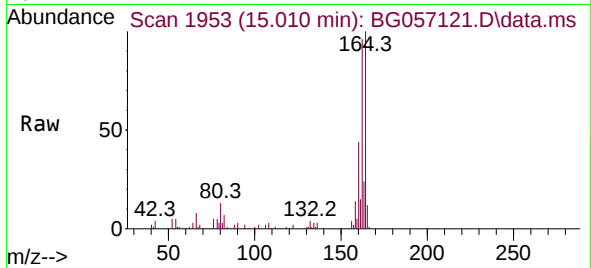
Tgt Ion:164	Resp:	33398
Ion Ratio	Lower	Upper
164	100	
162	96.3	77.8 116.8
160	44.3	33.5 50.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/18/2023

Supervised By :Jagrut Upadhyay 04/18/2023



#42

2,4,6-Tribromophenol

Concen: 102.432 ng

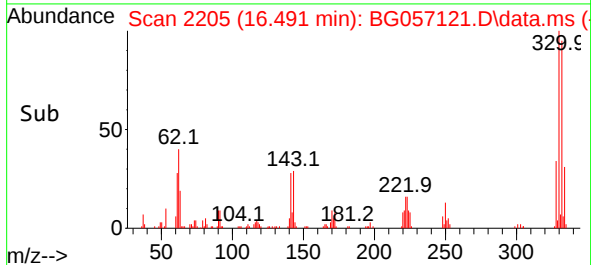
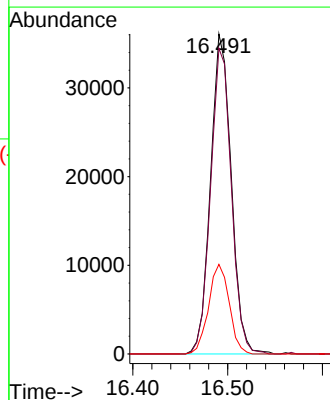
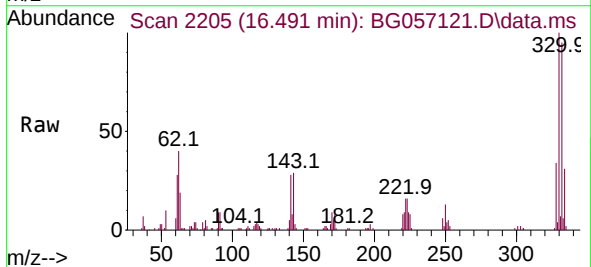
RT: 16.491 min Scan# 2205

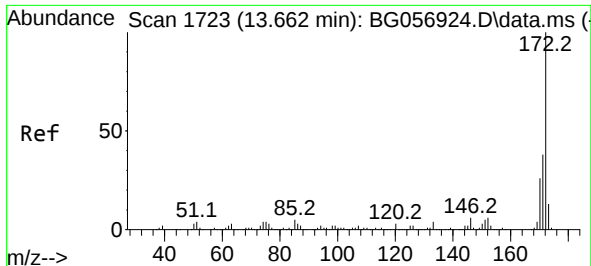
Delta R.T. -0.009 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

Tgt Ion:330	Resp:	54652
Ion Ratio	Lower	Upper
330	100	
332	95.7	76.1 114.1
141	28.0	25.8 38.6





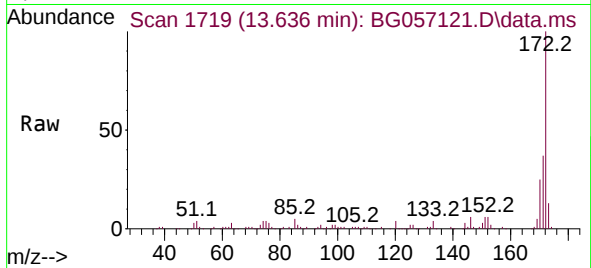
#45
2-Fluorobiphenyl
Concen: 52.820 ng
RT: 13.636 min Scan# 1719
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413

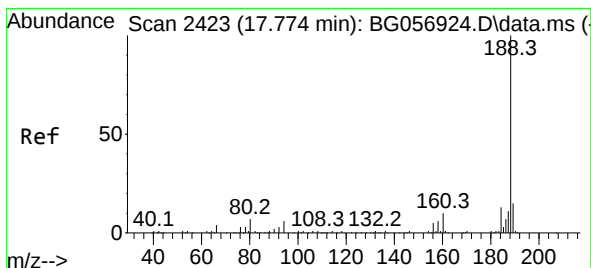
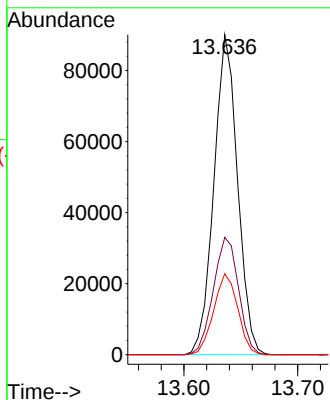
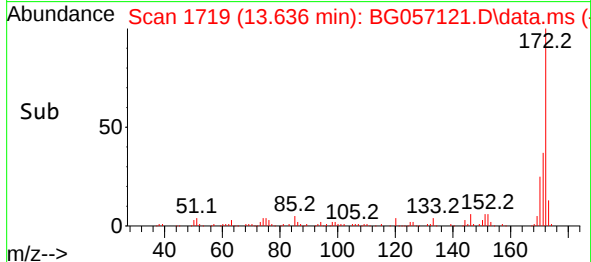


Tgt Ion:172 Resp: 130094
Ion Ratio Lower Upper
172 100
171 36.6 30.6 46.0
170 25.3 20.6 30.8

Manual Integrations

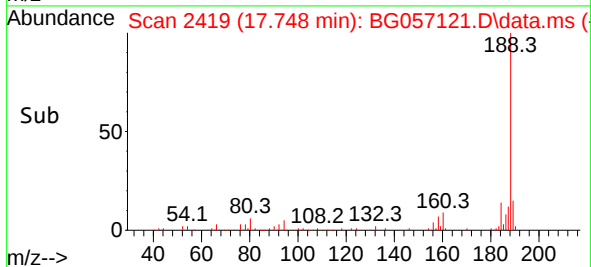
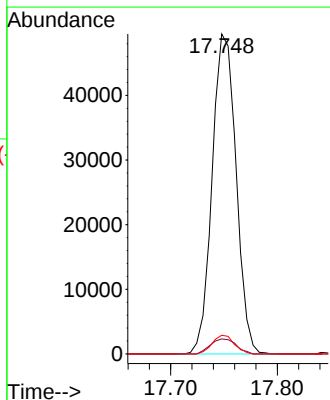
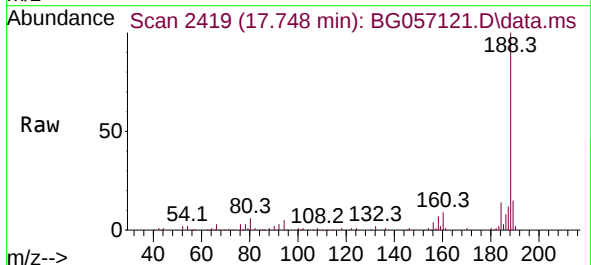
APPROVED

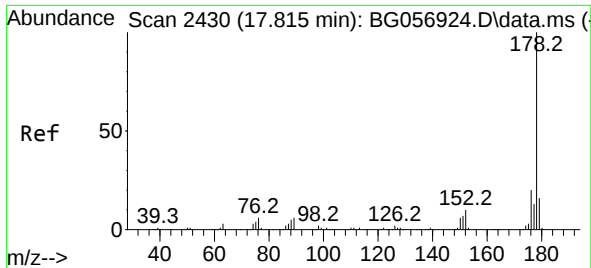
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.748 min Scan# 2419
Delta R.T. -0.015 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Tgt Ion:188 Resp: 77084
Ion Ratio Lower Upper
188 100
94 4.7 4.6 6.8
80 5.9 5.5 8.3





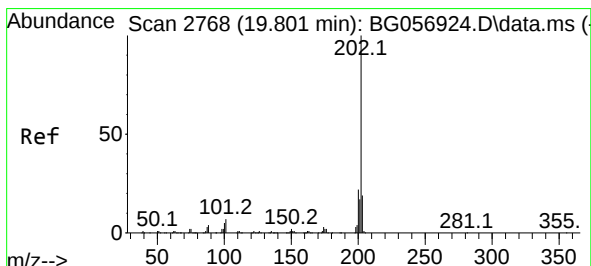
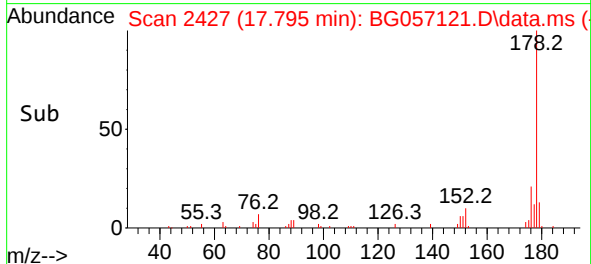
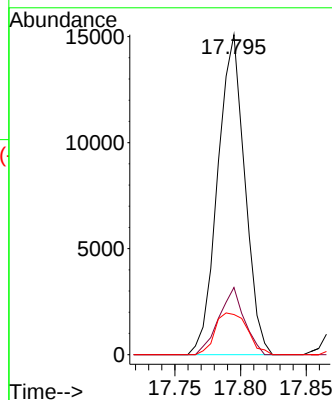
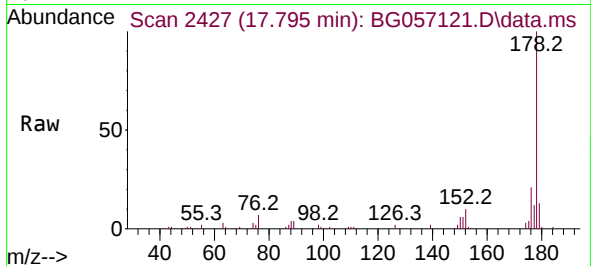
#71
Phenanthrene
Concen: 5.505 ng
RT: 17.795 min Scan# 2430
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

Instrument :
BNA_G
ClientSampleId :
P2-S2-230413

Tgt Ion:178 Resp: 21630
Ion Ratio Lower Upper
178 100
176 21.0 16.2 24.2
179 12.6 12.5 18.7

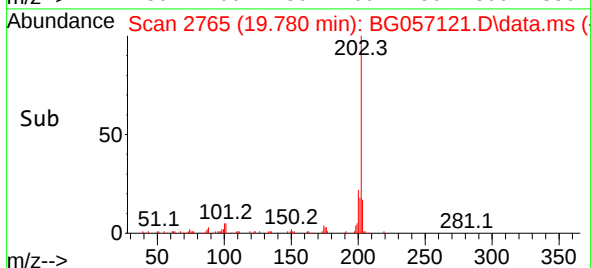
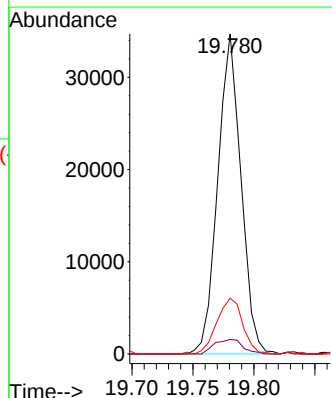
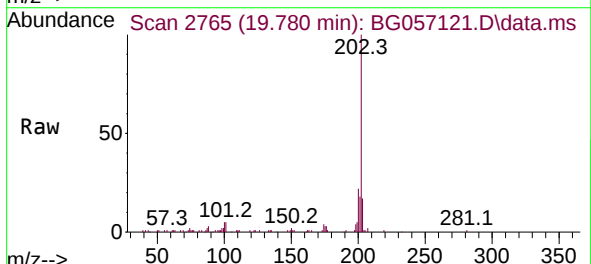
Manual Integrations
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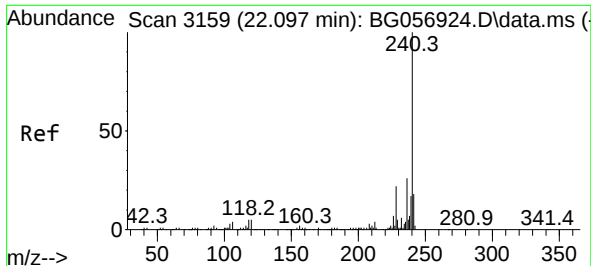
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#75
Fluoranthene
Concen: 9.219 ng
RT: 19.780 min Scan# 2765
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

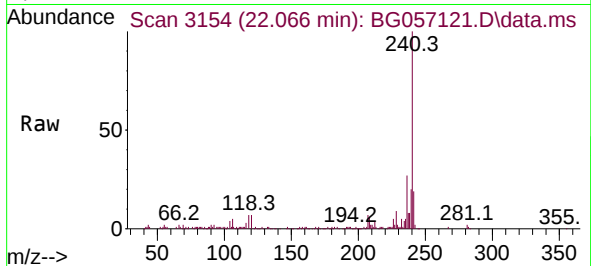
Tgt Ion:202 Resp: 45927
Ion Ratio Lower Upper
202 100
101 4.6 0.0 26.7
203 17.5 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.066 min Scan# 3159
Delta R.T. -0.015 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54

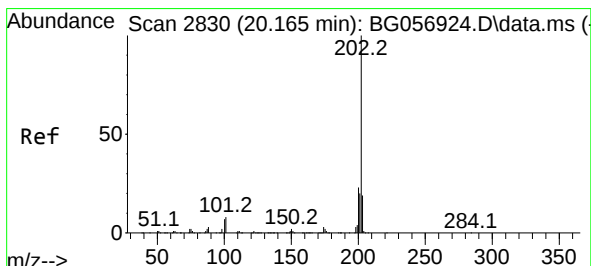
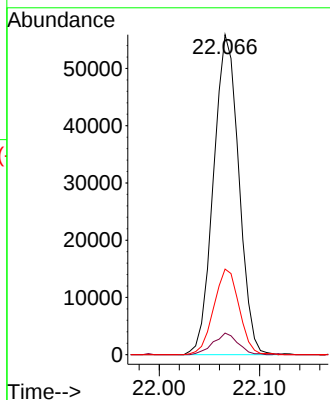
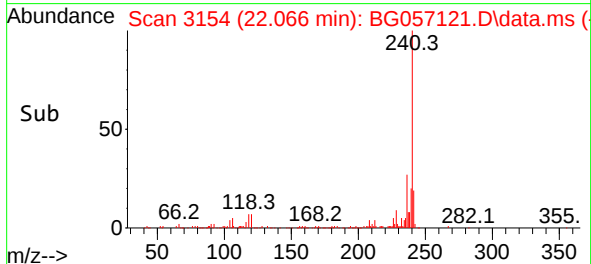
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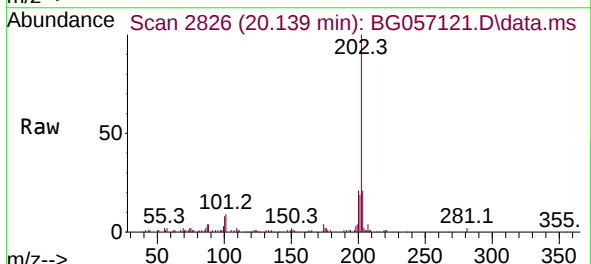
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Ion Ratio Lower Upper
240 100
120 6.7 3.8 5.6
236 26.7 21.0 31.6

Manual Integrations
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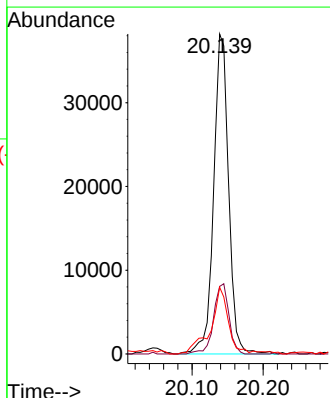
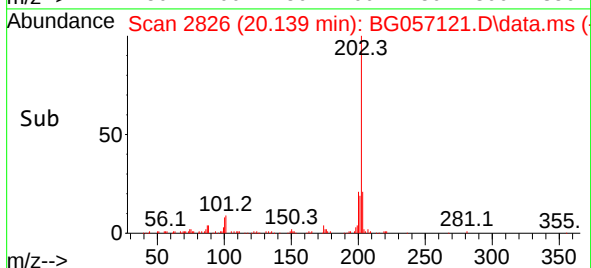
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023

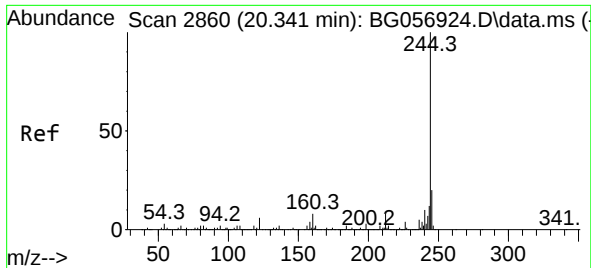


#78
Pyrene
Concen: 8.253 ng
RT: 20.139 min Scan# 2826
Delta R.T. -0.009 min
Lab File: BG057121.D
Acq: 17 Apr 2023 21:54



Tgt Ion:202 Resp: 55903
Ion Ratio Lower Upper
202 100
200 21.1 18.7 28.1
203 20.9 15.4 23.2





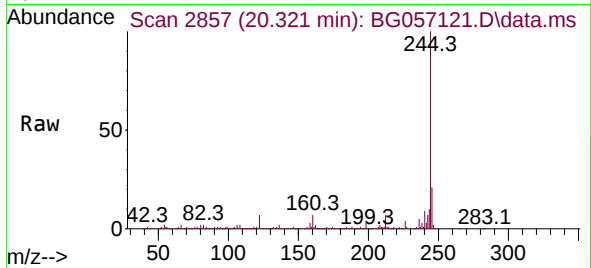
#79
 Terphenyl-d14
 Concen: 54.299 ng
 RT: 20.321 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057121.D
 Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413

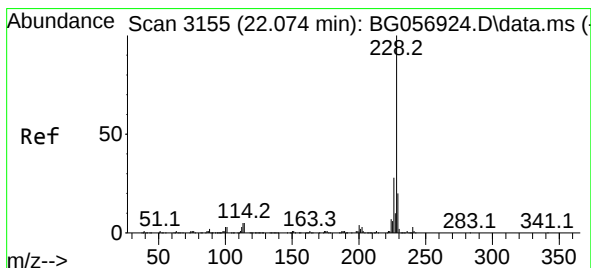
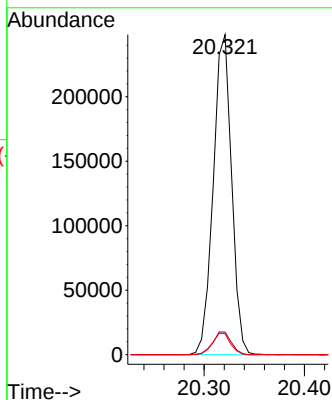
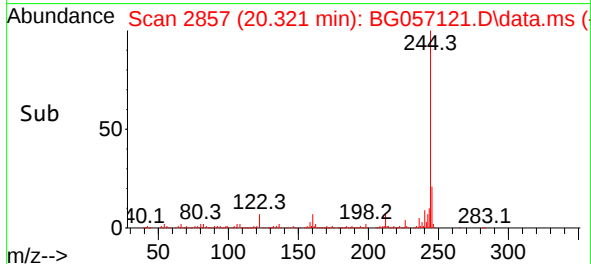


Tgt Ion:244 Resp: 314260
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 6.5 5.0 7.4

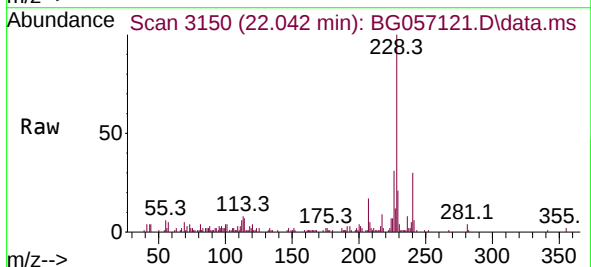
Manual Integrations

APPROVED

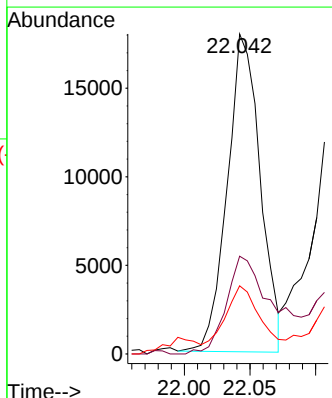
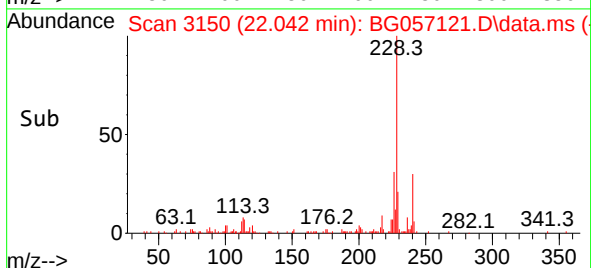
Reviewed By :Christian Giraldo 04/18/2023
 Supervised By :Jagrut Upadhyay 04/18/2023

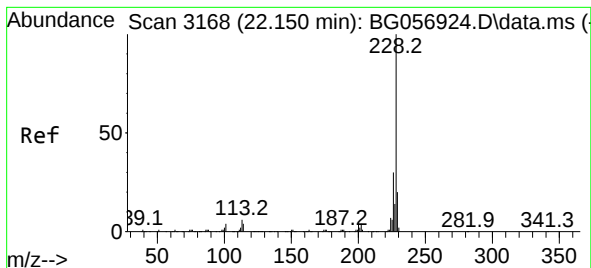


#81
 Benzo(a)anthracene
 Concen: 4.627 ng
 RT: 22.042 min Scan# 3150
 Delta R.T. -0.015 min
 Lab File: BG057121.D
 Acq: 17 Apr 2023 21:54



Tgt Ion:228 Resp: 31360
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.1 33.1
 229 21.3 16.1 24.1





#83

Chrysene

Concen: 4.959 ng m

RT: 22.118 min Scan# 3168

Delta R.T. -0.009 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413

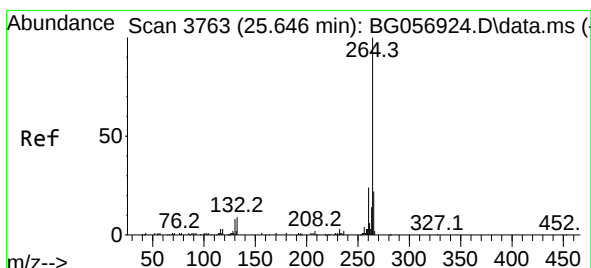
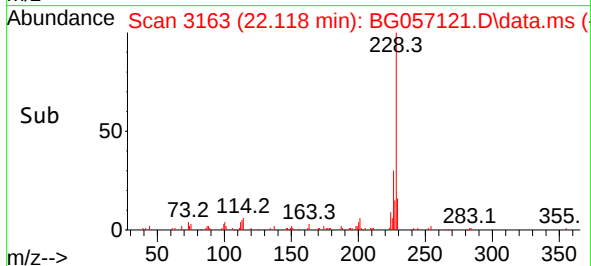
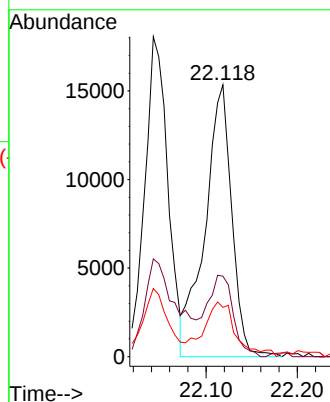
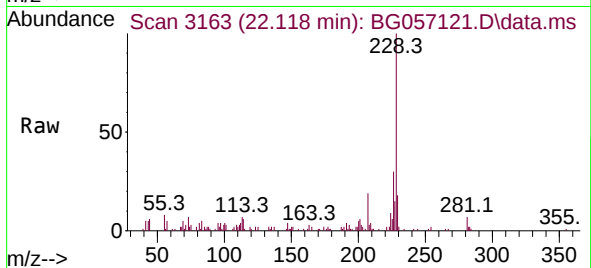
Tgt Ion:228	Resp:	31468
Ion Ratio	Lower	Upper
228	100	
226	29.6	24.1 36.1
229	18.1	15.6 23.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/18/2023



#86

Perylene-d12

Concen: 20.000 ng

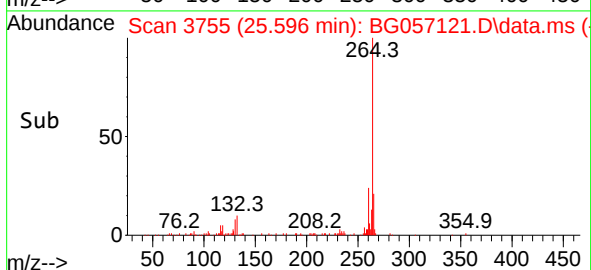
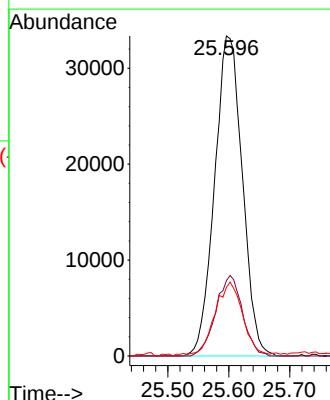
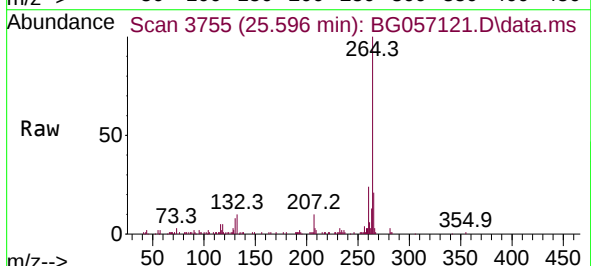
RT: 25.596 min Scan# 3755

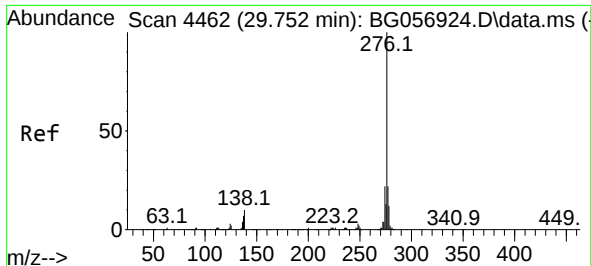
Delta R.T. -0.015 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

Tgt Ion:264	Resp:	105374
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.0 28.4
265	21.5	17.8 26.6





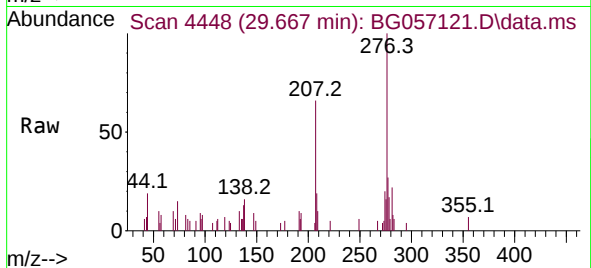
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.448 ng
 RT: 29.667 min Scan# 4462
 Delta R.T. -0.045 min
 Lab File: BG057121.D
 Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413

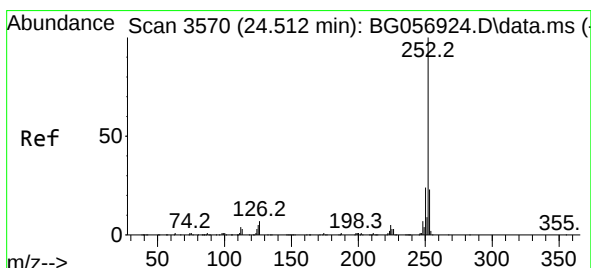
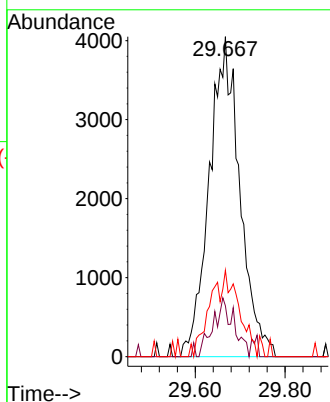
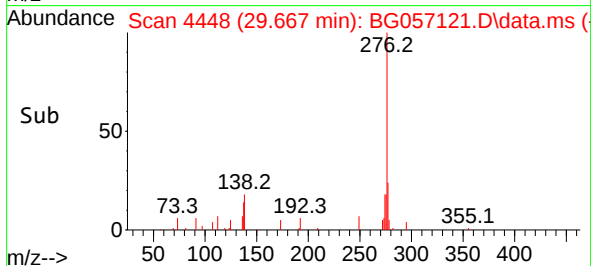


Tgt Ion:276 Resp: 1906
 Ion Ratio Lower Upper
 276 100
 138 12.4 7.7 11.5
 277 10.8 21.0 31.4

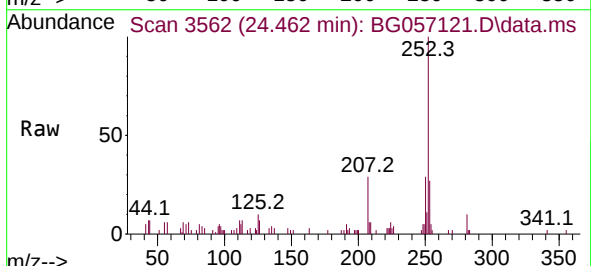
Manual Integrations

APPROVED

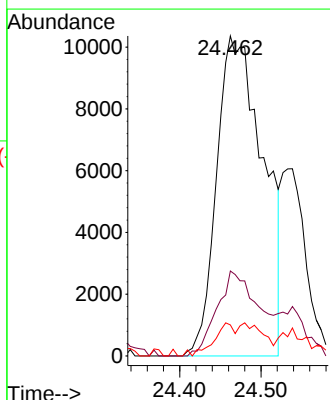
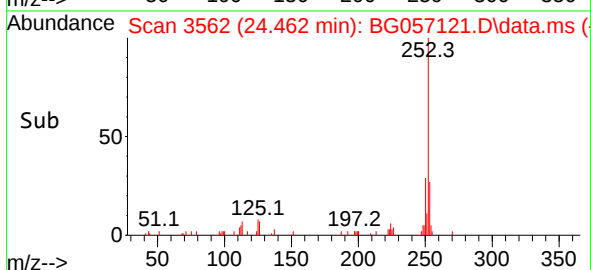
Reviewed By :Christian Giraldo 04/18/2023
 Supervised By :Jagrut Upadhyay 04/18/2023

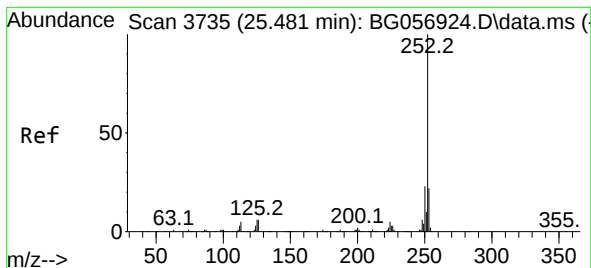


#88
 Benzo(b)fluoranthene
 Concen: 6.242 ng
 RT: 24.462 min Scan# 3562
 Delta R.T. -0.021 min
 Lab File: BG057121.D
 Acq: 17 Apr 2023 21:54



Tgt Ion:252 Resp: 41133
 Ion Ratio Lower Upper
 252 100
 253 26.5 18.1 27.1
 125 9.7 4.2 6.4





#90

Benzo(a)pyrene

Concen: 4.691 ng

RT: 25.426 min Scan# 31

Delta R.T. -0.027 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

Instrument :

BNA_G

ClientSampleId :

P2-S2-230413

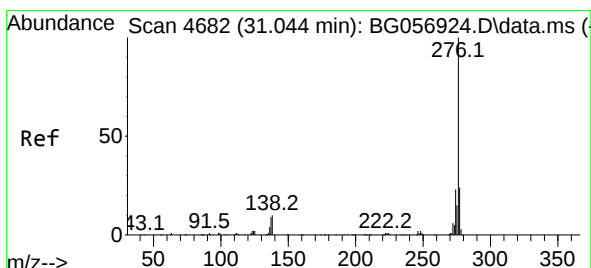
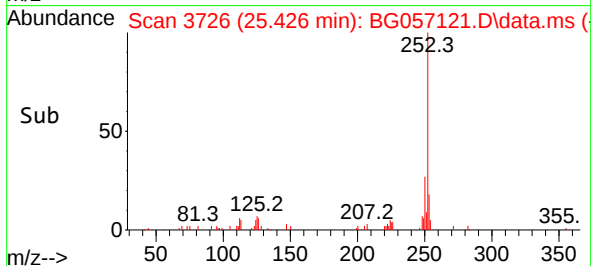
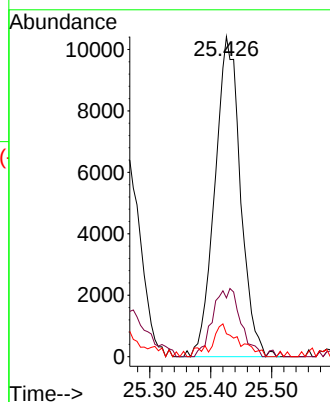
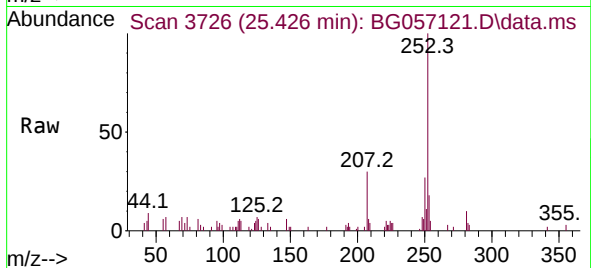
Tgt Ion:252 Resp: 3037
 Ion Ratio Lower Upper
 252 100
 253 18.3 17.6 26.4
 125 7.2 4.5 6.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/18/2023

Supervised By :Jagrut Upadhyay 04/18/2023



#92

Benzo(g,h,i)perylene

Concen: 2.713 ng

RT: 30.948 min Scan# 4666

Delta R.T. -0.045 min

Lab File: BG057121.D

Acq: 17 Apr 2023 21:54

Tgt Ion:276 Resp: 17008
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.1 28.7
 138 9.1 8.2 12.2

