

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057510.D
 Acq On : 23 May 2023 2:13
 Operator : CG/JU
 Sample : 02847-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-051823

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/23/2023
 Supervised By : Jagrut Upadhyay 05/23/2023

Quant Time: May 23 04:09:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.354	152	25278	20.000	ng	0.00
21) Naphthalene-d8	11.191	136	94917	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	61674	20.000	ng	0.00
64) Phenanthrene-d10	17.706	188	140594	20.000	ng	0.00
76) Chrysene-d12	22.012	240	126734	20.000	ng	0.00
86) Perylene-d12	25.513	264	139124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	138891	93.990	ng	0.00
7) Phenol-d6	7.502	99	201626	89.852	ng	0.00
23) Nitrobenzene-d5	9.535	82	131210	58.019	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	85336	97.517	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	309499	67.586	ng	0.00
79) Terphenyl-d14	20.279	244	484589	62.399	ng	0.00
Target Compounds						
71) Phenanthrene	17.747	178	25094	3.483	ng	94
75) Fluoranthene	19.739	202	75964	8.478	ng	99
78) Pyrene	20.103	202	73100	7.938	ng	97
81) Benzo(a)anthracene	21.994	228	42454	4.702	ng	93
83) Chrysene	22.065	228	39910m	4.698	ng	
87) Indeno(1,2,3-cd)pyrene	29.567	276	27418	2.704	ng	# 56
88) Benzo(b)fluoranthene	24.397	252	60991	6.706	ng	# 92
89) Benzo(k)fluoranthene	24.456	252	19558m	2.116	ng	
90) Benzo(a)pyrene	25.349	252	45244	5.092	ng	93
92) Benzo(g,h,i)perylene	30.830	276	29392m	3.565	ng	

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

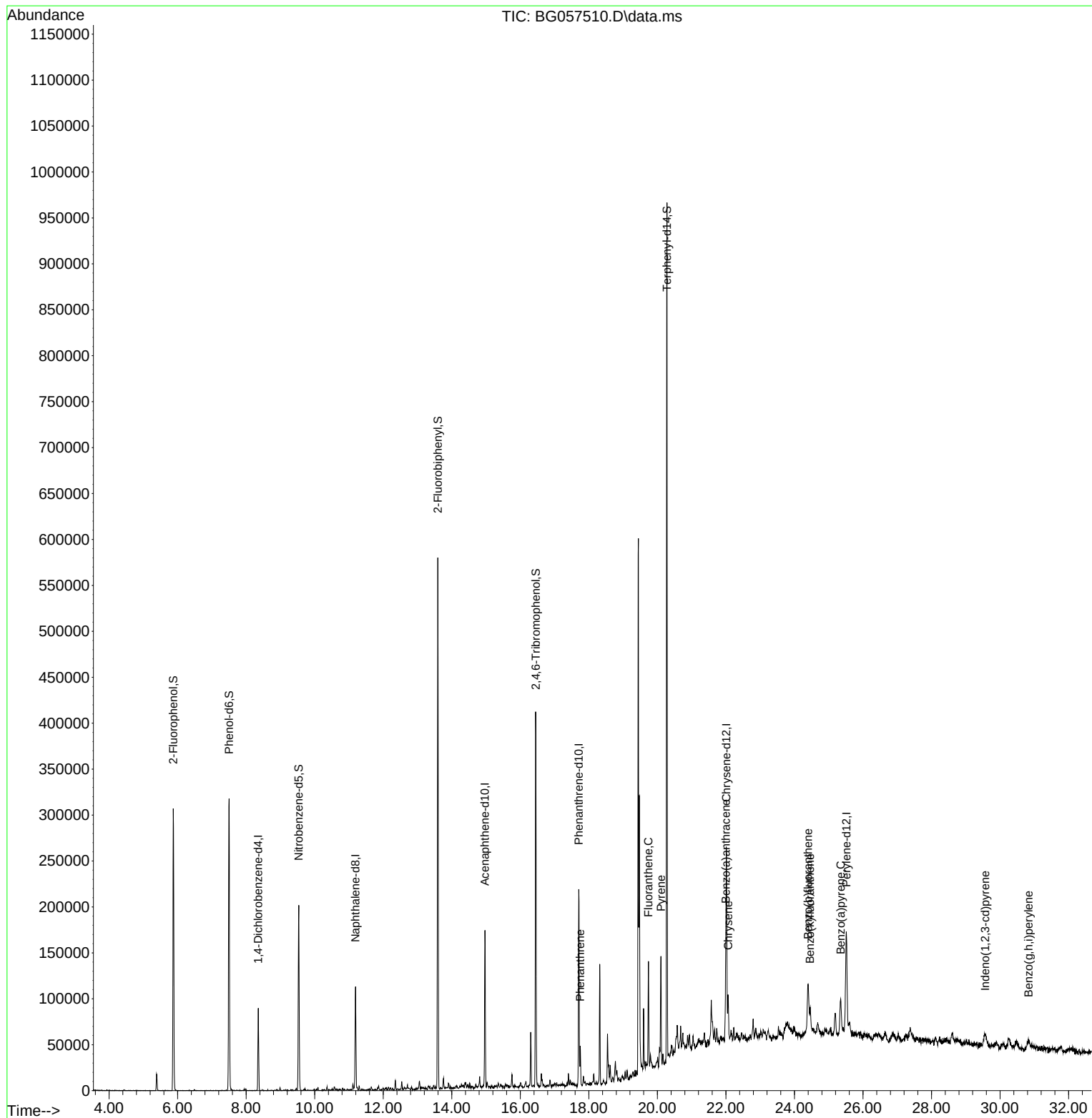
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057510.D
Acq On : 23 May 2023 2:13
Operator : CG/JU
Sample : 02847-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

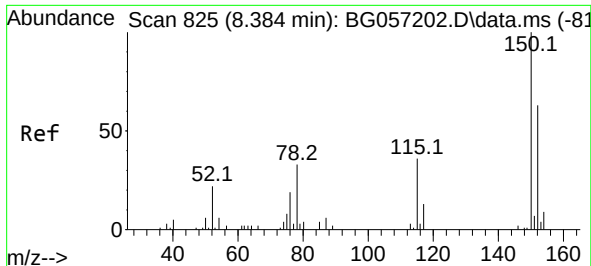
Instrument :
BNA_G
ClientSampleId :
TR-04-051823

Quant Time: May 23 04:09:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
Response via : Initial Calibration

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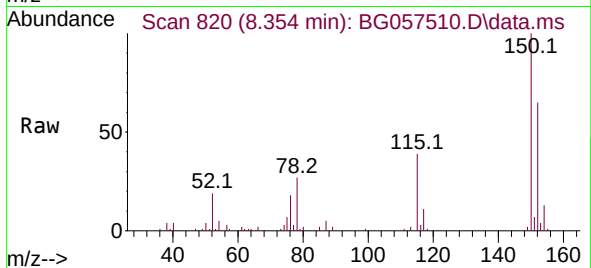
Reviewed By : Christian Giraldo 05/23/2023
Supervised By : Jagrut Upadhyay 05/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.354 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

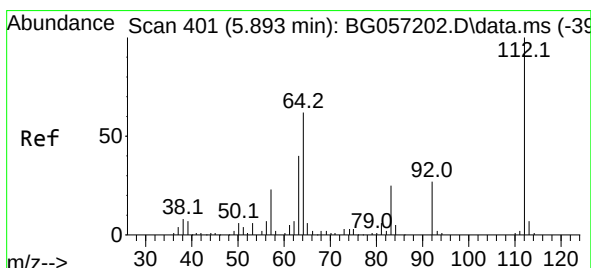
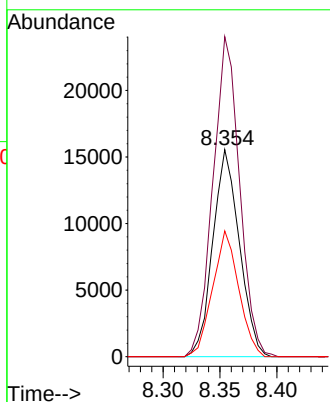
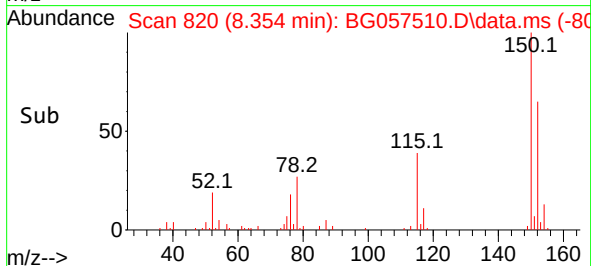
Instrument :
BNA_G
ClientSampleId :
TR-04-051823



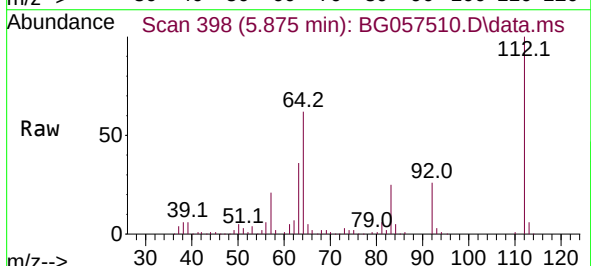
Tgt Ion:152 Resp: 25278
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.4
115 60.7 45.0 67.4

Manual Integrations
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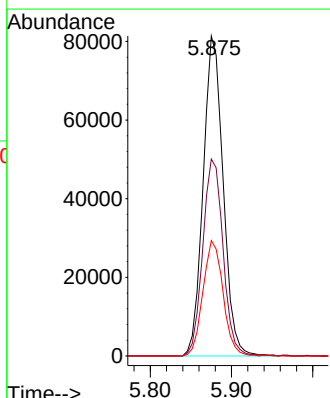
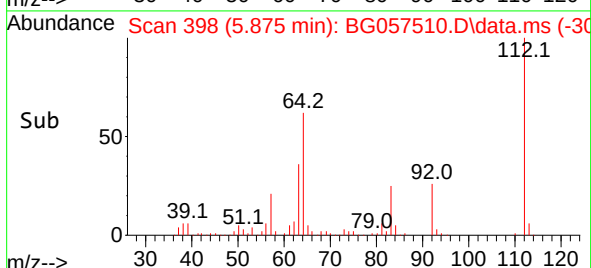
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

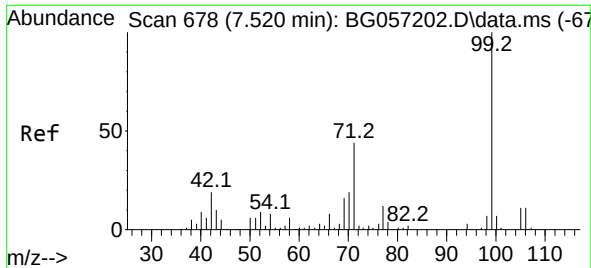


#5
2-Fluorophenol
Concen: 93.990 ng
RT: 5.875 min Scan# 398
Delta R.T. 0.004 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13



Tgt Ion:112 Resp: 138891
Ion Ratio Lower Upper
112 100
64 61.5 49.4 74.2
63 36.0 31.6 47.4





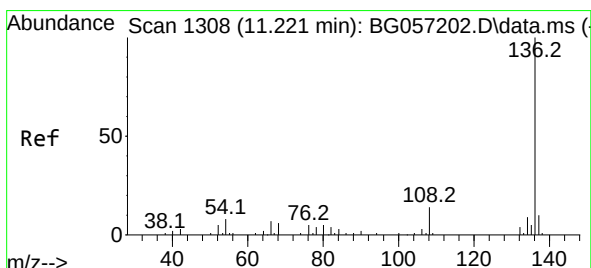
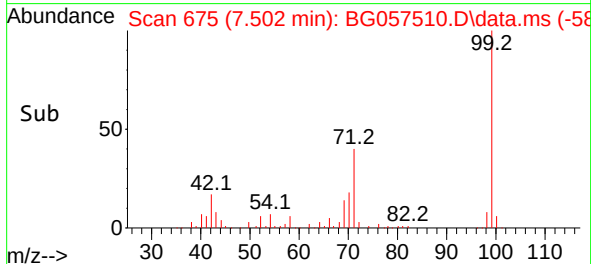
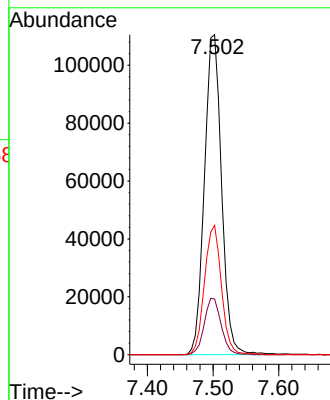
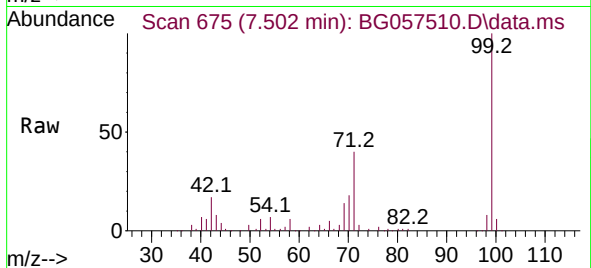
#7
Phenol-d6
Concen: 89.852 ng
RT: 7.502 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Instrument :
BNA_G
ClientSampleId :
TR-04-051823

Tgt Ion: 99 Resp: 201620
Ion Ratio Lower Upper
99 100
42 17.4 15.1 22.7
71 40.5 35.2 52.8

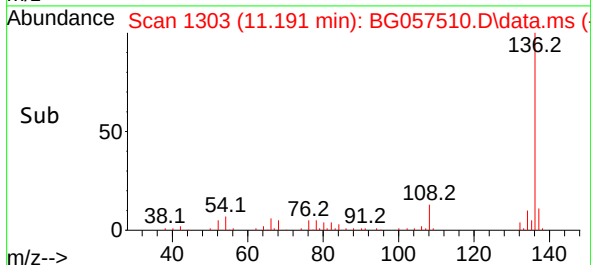
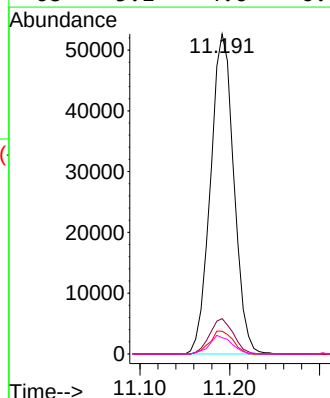
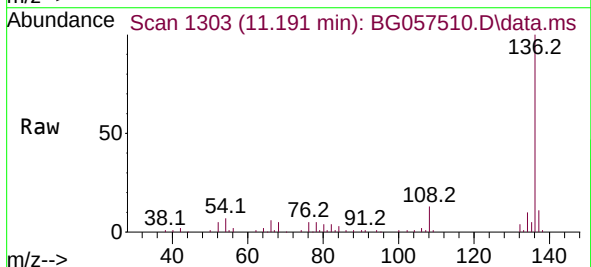
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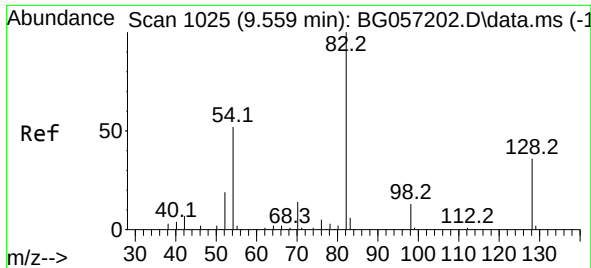
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.191 min Scan# 1303
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:136 Resp: 94917
Ion Ratio Lower Upper
136 100
137 11.0 8.3 12.5
54 7.1 6.7 10.1
68 5.1 4.6 6.8





#23
Nitrobenzene-d5
Concen: 58.019 ng
RT: 9.535 min Scan# 1021
Delta R.T. -0.002 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

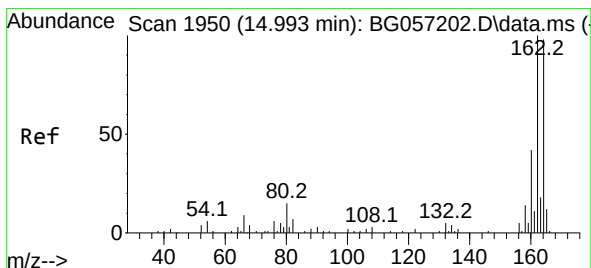
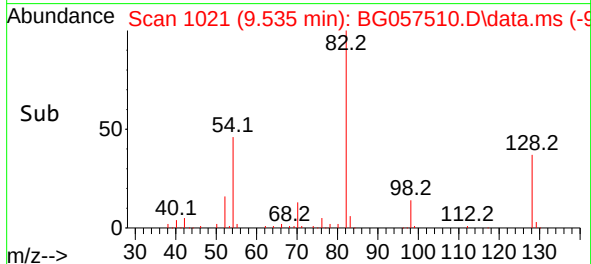
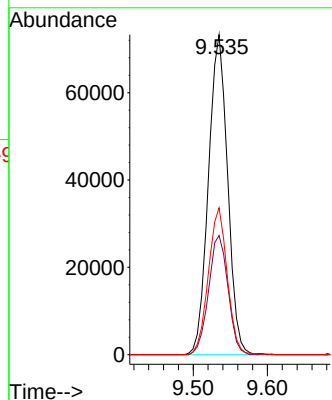
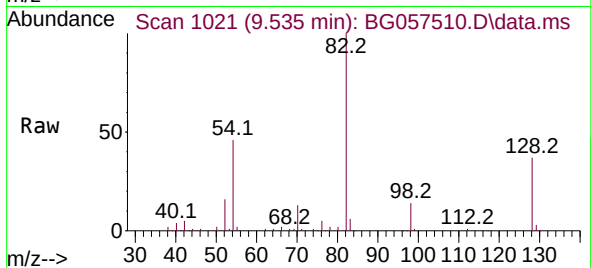
TR-04-051823

Tgt Ion: 82 Resp: 131210
Ion Ratio Lower Upper
82 100
128 37.3 29.0 43.4
54 45.9 41.4 62.0

Manual Integrations

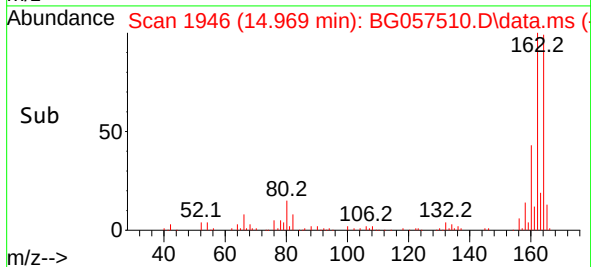
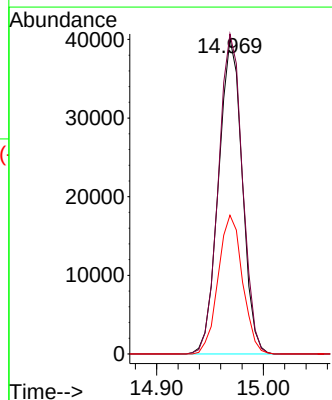
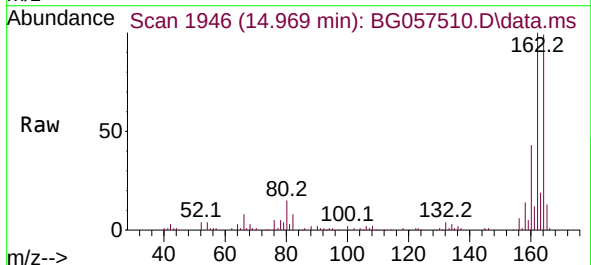
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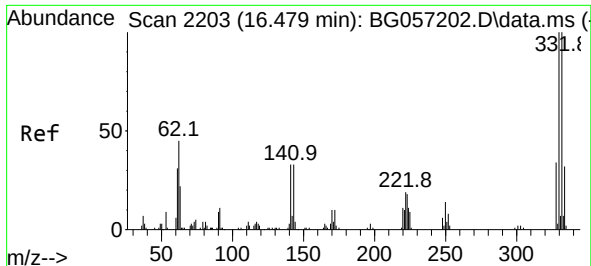
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:164 Resp: 61674
Ion Ratio Lower Upper
164 100
162 101.4 81.8 122.6
160 44.0 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 97.517 ng
RT: 16.455 min Scan# 2199
Delta R.T. -0.002 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

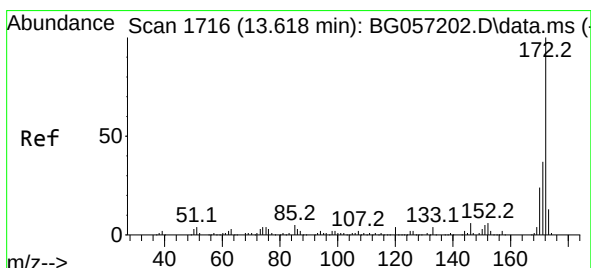
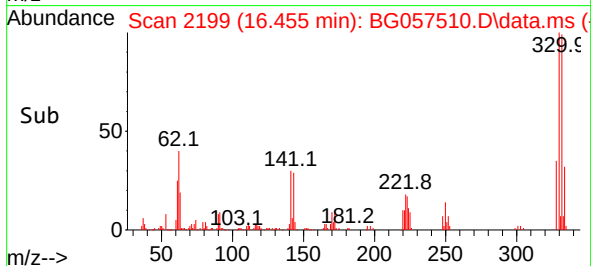
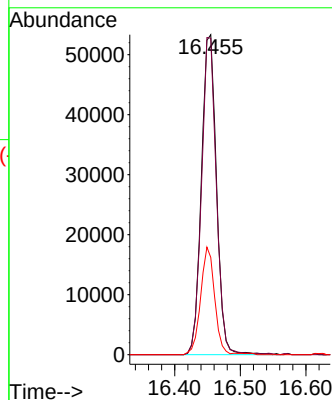
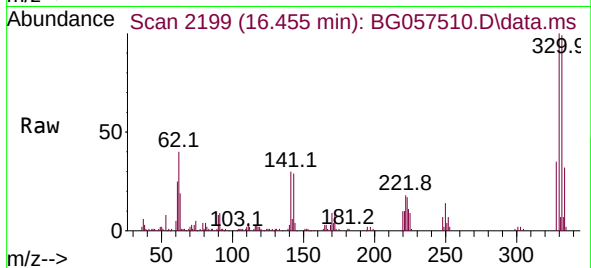
TR-04-051823

Tgt Ion:330 Resp: 85330
Ion Ratio Lower Upper
330 100
332 97.6 78.2 117.2
141 31.3 27.8 41.8

Manual Integrations

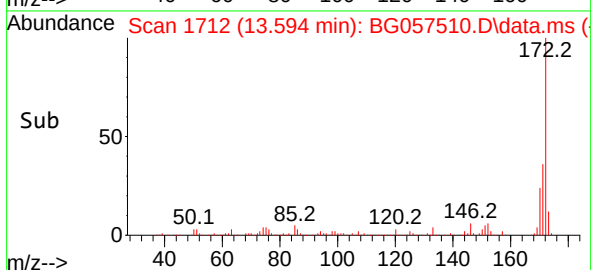
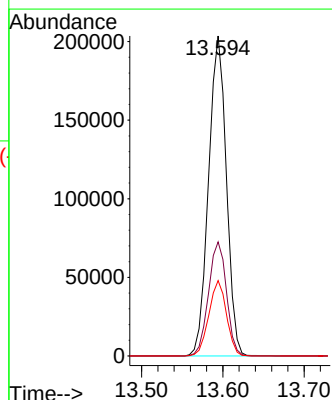
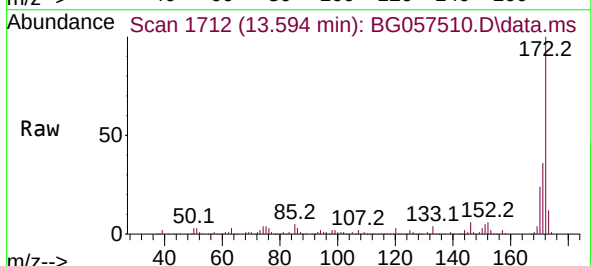
APPROVED

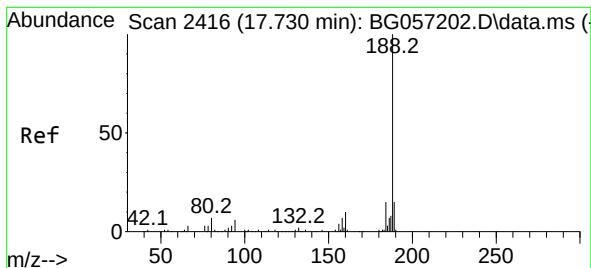
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#45
2-Fluorobiphenyl
Concen: 67.586 ng
RT: 13.594 min Scan# 1712
Delta R.T. -0.007 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:172 Resp: 309499
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 23.6 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.706 min Scan# 2416

Delta R.T. -0.007 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

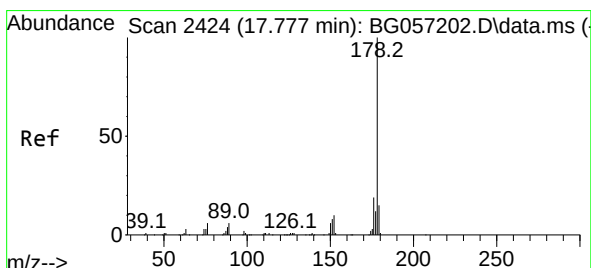
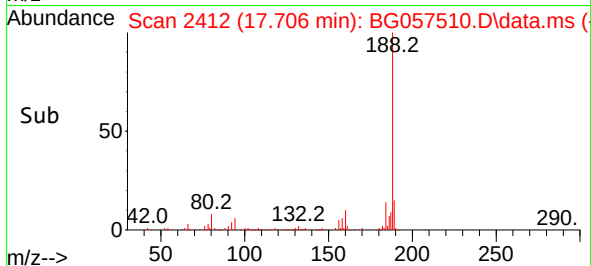
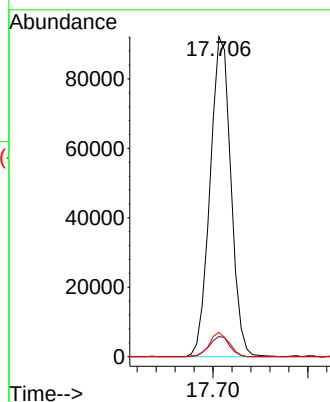
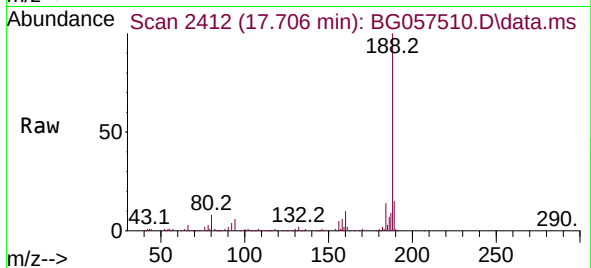
TR-04-051823

Tgt Ion:188	Resp: 140594
Ion Ratio	Lower Upper
188 100	
94 6.3	5.1 7.7
80 7.6	5.7 8.5

Manual Integrations

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Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#71

Phenanthrene

Concen: 3.483 ng

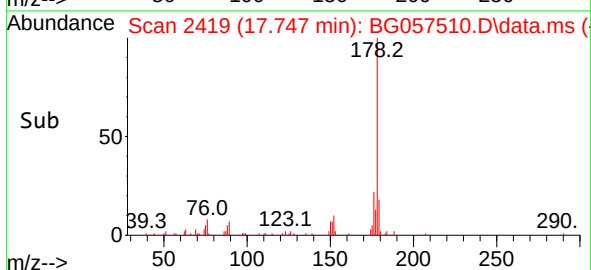
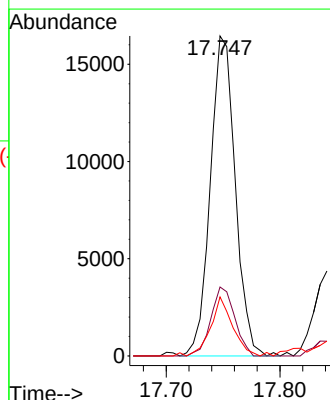
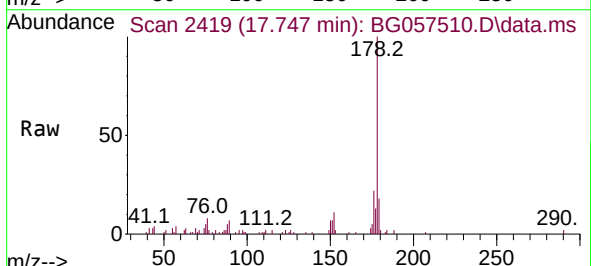
RT: 17.747 min Scan# 2419

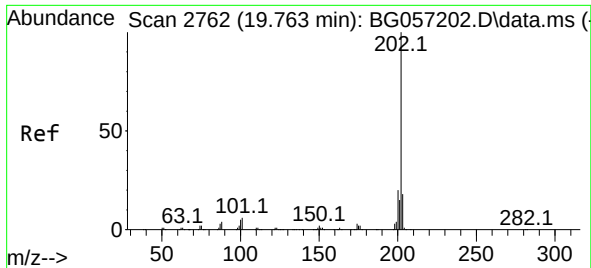
Delta R.T. -0.007 min

Lab File: BG057510.D

Acq: 23 May 2023 2:13

Tgt Ion:178	Resp: 25094
Ion Ratio	Lower Upper
178 100	
176 21.5	15.4 23.2
179 18.4	12.3 18.5





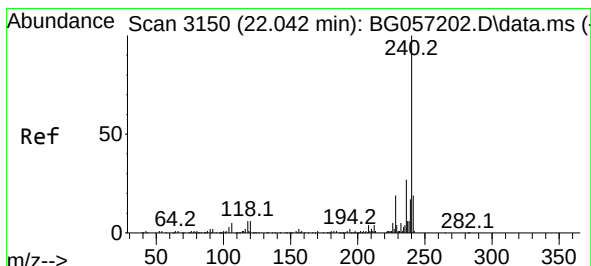
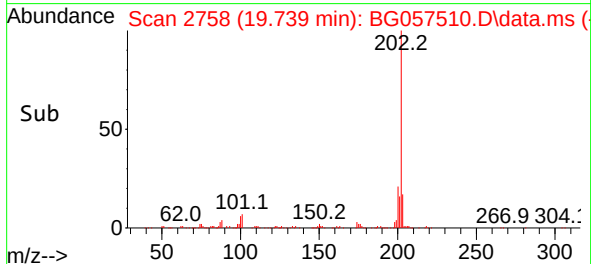
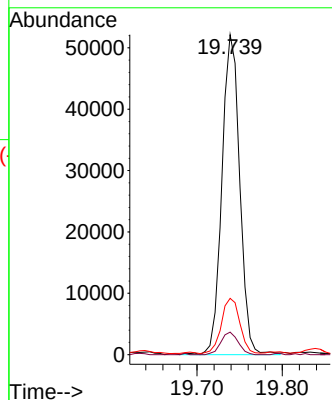
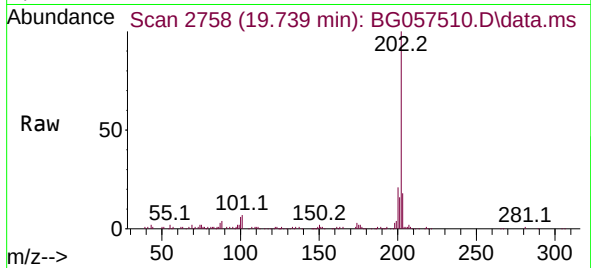
#75
Fluoranthene
Concen: 8.478 ng
RT: 19.739 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Instrument :
BNA_G
ClientSampleId :
TR-04-051823

Tgt Ion:202 Resp: 75964
Ion Ratio Lower Upper
202 100
101 7.1 0.0 26.2
203 17.6 0.0 37.9

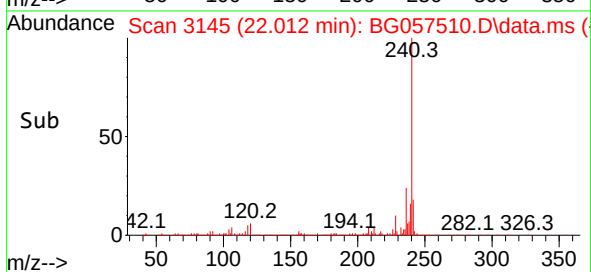
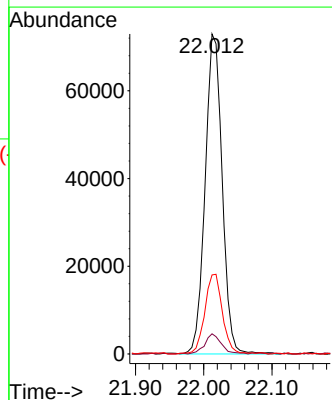
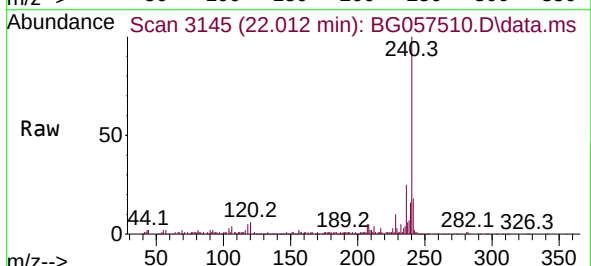
Manual Integrations
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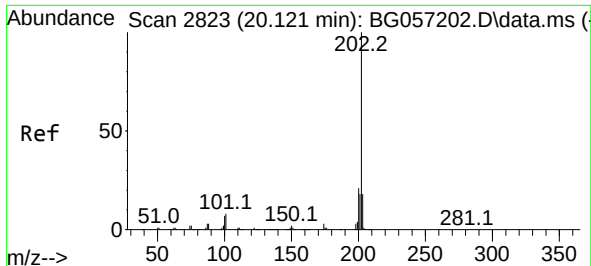
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.012 min Scan# 3145
Delta R.T. -0.007 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

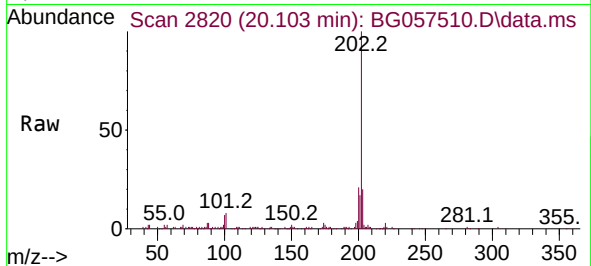
Tgt Ion:240 Resp: 126734
Ion Ratio Lower Upper
240 100
120 6.3 4.9 7.3
236 24.7 21.4 32.2





#78
Pyrene
Concen: 7.938 ng
RT: 20.103 min Scan# 2820
Delta R.T. -0.002 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

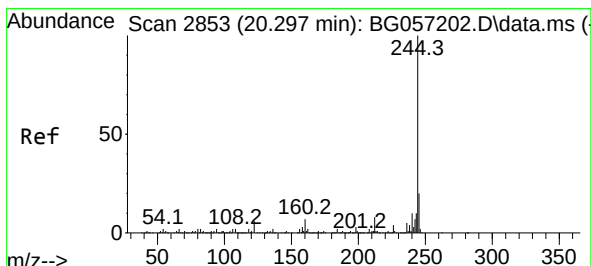
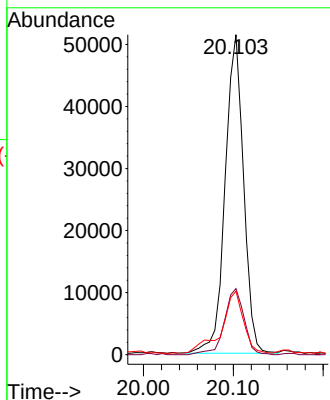
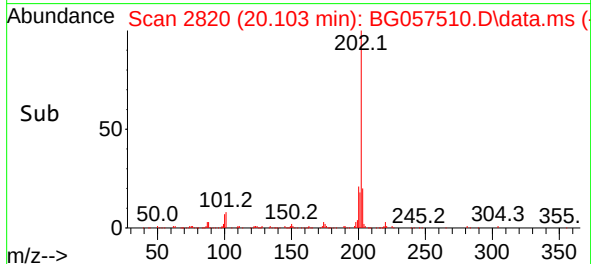
Instrument :
BNA_G
ClientSampleId :
TR-04-051823



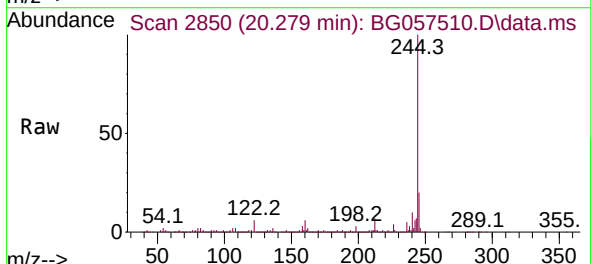
Tgt Ion:202 Resp: 73100
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 19.9 14.2 21.4

Manual Integrations
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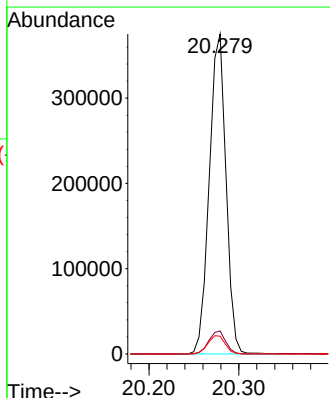
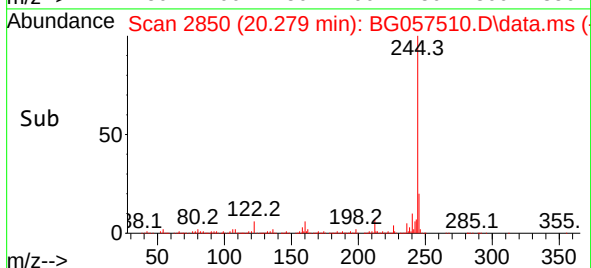
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

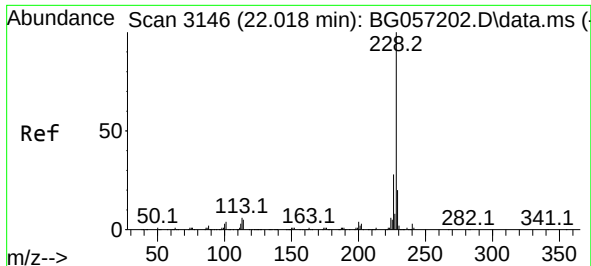


#79
Terphenyl-d14
Concen: 62.399 ng
RT: 20.279 min Scan# 2850
Delta R.T. -0.002 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13



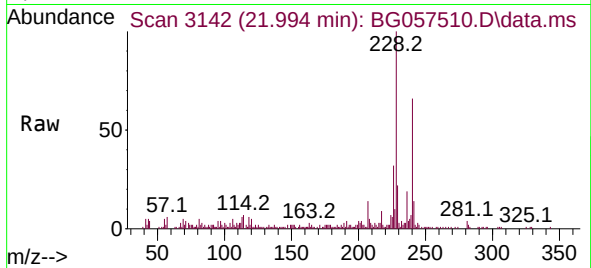
Tgt Ion:244 Resp: 484589
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 5.6 5.1 7.7





#81
Benzo(a)anthracene
Concen: 4.702 ng
RT: 21.994 min Scan# 3142
Delta R.T. -0.002 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

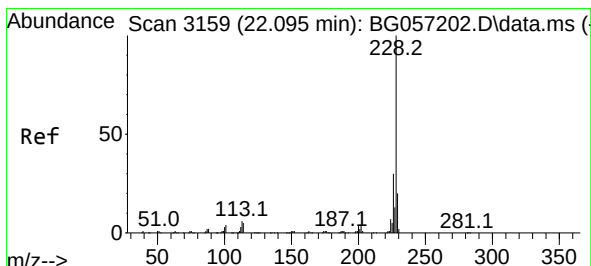
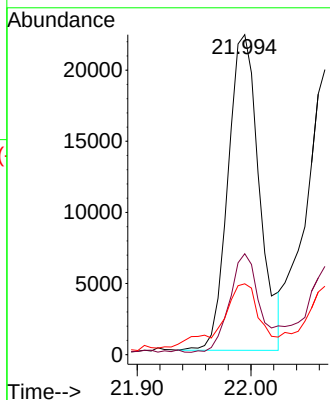
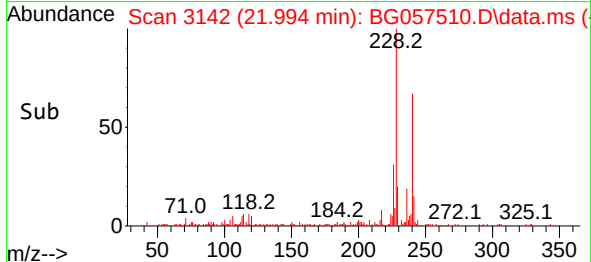
Instrument :
BNA_G
ClientSampleId :
TR-04-051823



Tgt Ion:228 Resp: 42454
Ion Ratio Lower Upper
228 100
226 31.5 22.0 33.0
229 22.1 15.8 23.8

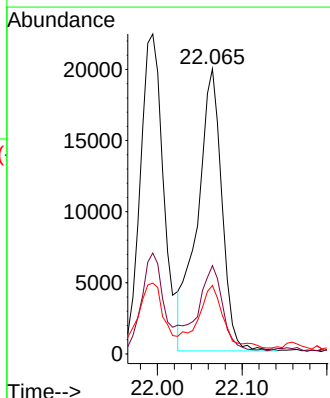
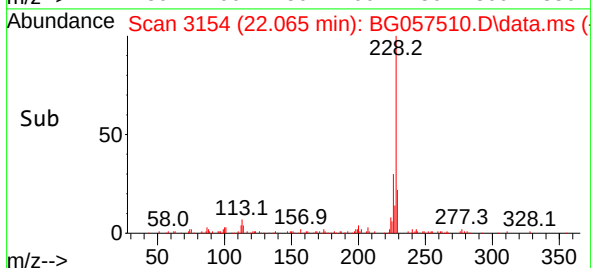
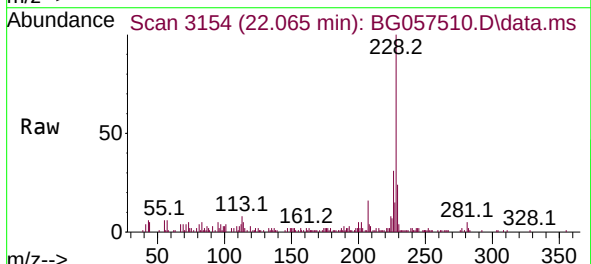
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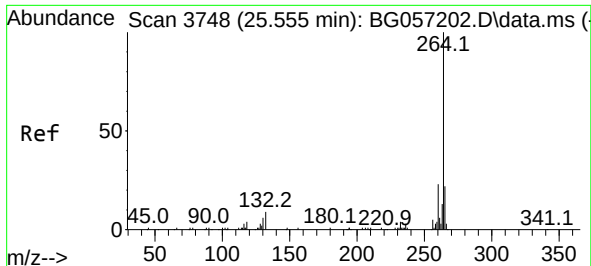
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#83
Chrysene
Concen: 4.698 ng m
RT: 22.065 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

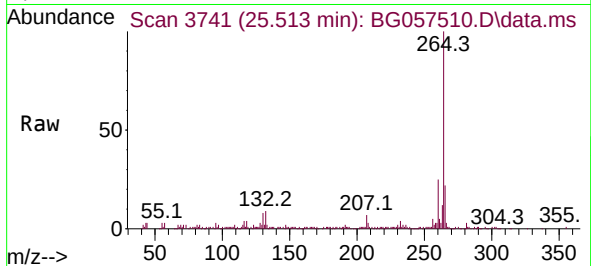
Tgt Ion:228 Resp: 39910
Ion Ratio Lower Upper
228 100
226 31.0 24.3 36.5
229 24.0 15.9 23.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.513 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

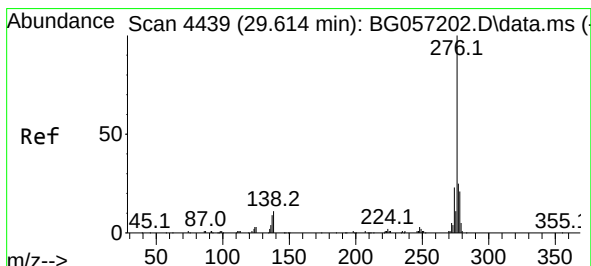
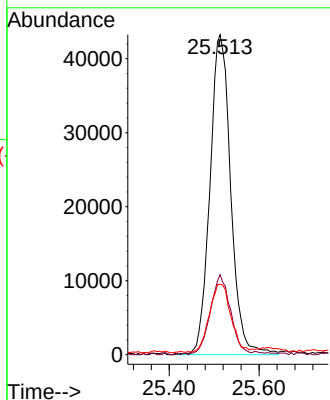
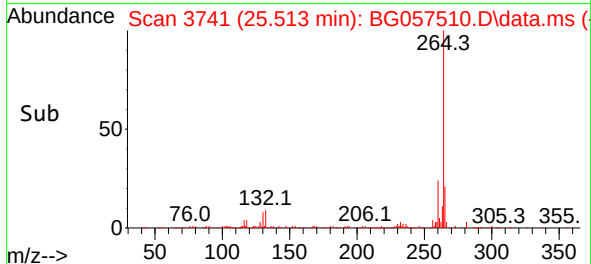
Instrument :
BNA_G
ClientSampleId :
TR-04-051823



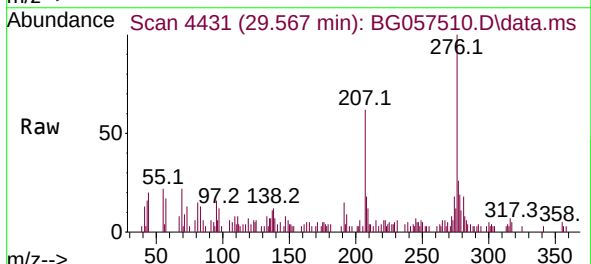
Tgt Ion:264 Resp: 139124
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 22.0 17.9 26.9

Manual Integrations
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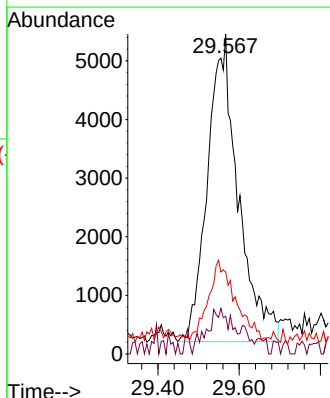
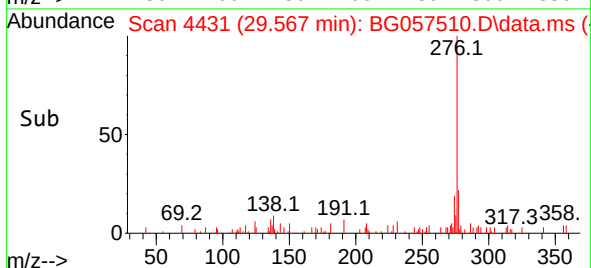
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

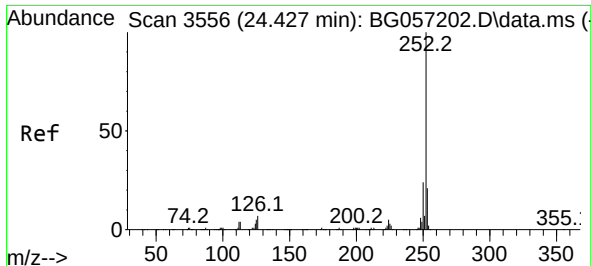


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.704 ng
RT: 29.567 min Scan# 4431
Delta R.T. 0.004 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13



Tgt Ion:276 Resp: 27418
Ion Ratio Lower Upper
276 100
138 0.0 5.4 8.0#
277 0.0 20.6 30.8#





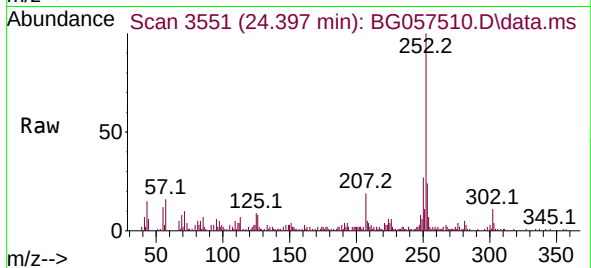
#88
Benzo(b)fluoranthene
Concen: 6.706 ng
RT: 24.397 min Scan# 3551
Delta R.T. 0.004 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Instrument :

BNA_G

ClientSampleId :

TR-04-051823

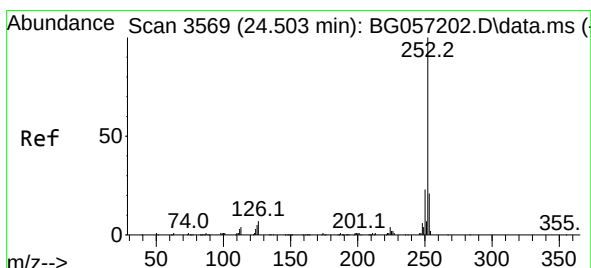
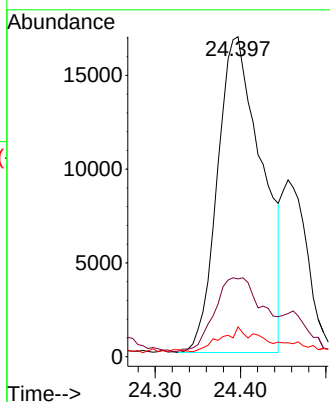
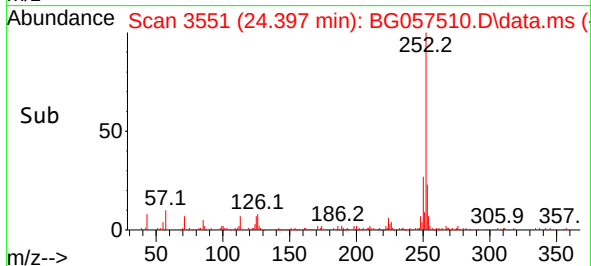


Tgt Ion:252 Resp: 6099
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 9.3 4.2 6.2

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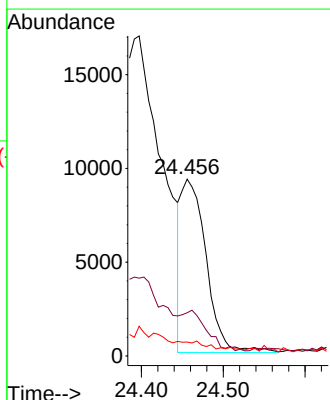
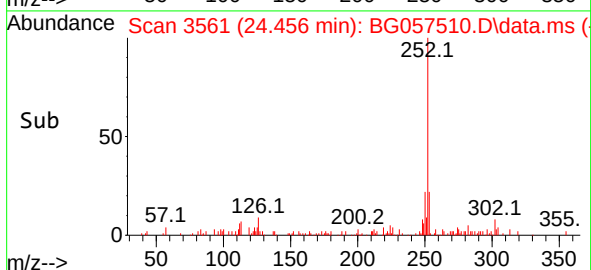
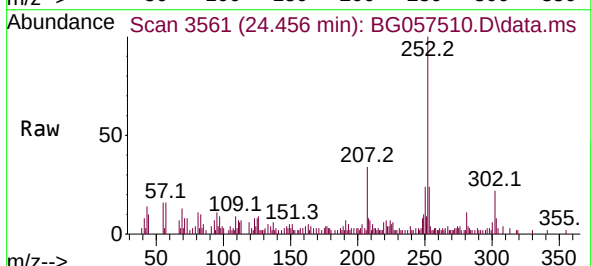
APPROVED

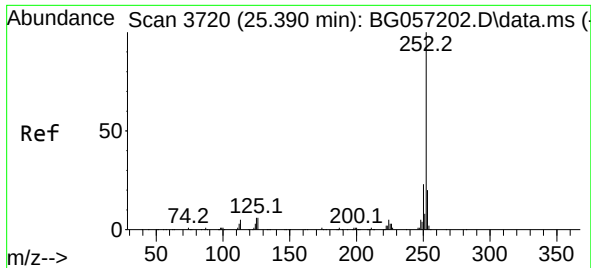
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#89
Benzo(k)fluoranthene
Concen: 2.116 ng m
RT: 24.456 min Scan# 3561
Delta R.T. -0.013 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

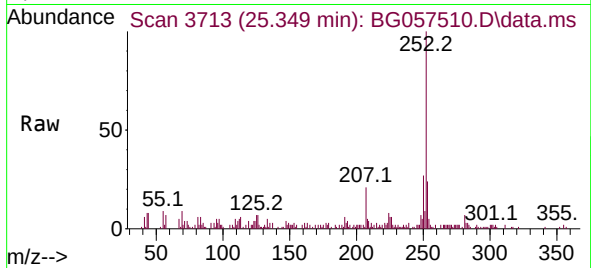
Tgt Ion:252 Resp: 19558
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 7.9 4.1 6.1





#90
Benzo(a)pyrene
Concen: 5.092 ng
RT: 25.349 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

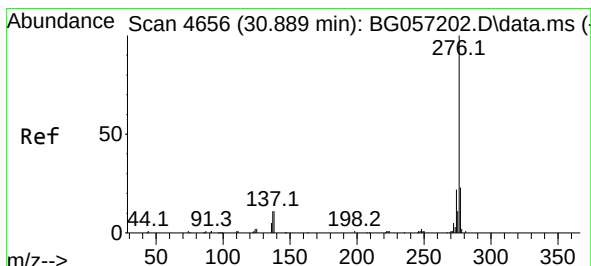
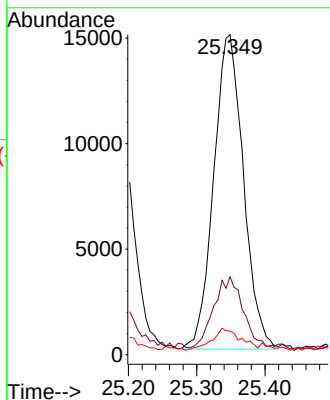
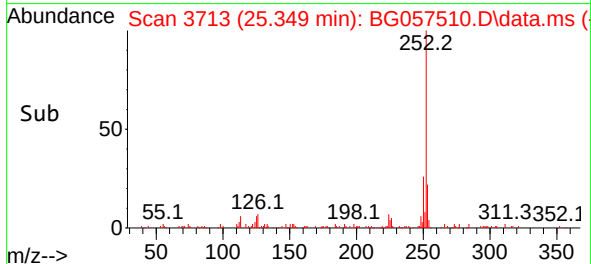
Instrument :
BNA_G
ClientSampleId :
TR-04-051823



Tgt Ion:252 Resp: 4524
Ion Ratio Lower Upper
252 100
253 24.4 16.3 24.5
125 7.4 5.0 7.4

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Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#92
Benzo(g,h,i)perylene
Concen: 3.565 ng m
RT: 30.830 min Scan# 4646
Delta R.T. -0.008 min
Lab File: BG057510.D
Acq: 23 May 2023 2:13

Tgt Ion:276 Resp: 29392
Ion Ratio Lower Upper
276 100
277 28.9 18.4 27.6#
138 14.2 9.0 13.4#

