

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041423\
 Data File : BG057109.D
 Acq On : 14 Apr 2023 21:20
 Operator : CG/JU
 Sample : 02348-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-041323

Quant Time: Apr 15 02:50:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 13 05:15:23 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/17/2023
 Supervised By : Jagrut Upadhyay 04/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.402	152	20969	20.000	ng	0.00
21) Naphthalene-d8	11.240	136	81484	20.000	ng	0.00
39) Acenaphthene-d10	15.017	164	57001	20.000	ng	0.00
64) Phenanthrene-d10	17.755	188	120383	20.000	ng	0.00
76) Chrysene-d12	22.072	240	101080	20.000	ng	# 0.00
86) Perylene-d12	25.609	264	110278	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.912	112	19057	14.545	ng	0.00
7) Phenol-d6	7.533	99	27067	13.813	ng	0.00
23) Nitrobenzene-d5	9.577	82	17093	8.583	ng	0.00
42) 2,4,6-Tribromophenol	16.492	330	11293	12.402	ng	0.00
45) 2-Fluorobiphenyl	13.637	172	38711	9.209	ng	0.00
79) Terphenyl-d14	20.322	244	59117	9.897	ng	0.00
Target Compounds						Qvalue
58) Fluorene	16.051	166	13357	3.075	ng	94
71) Phenanthrene	17.796	178	126622	20.630	ng	98
72) Anthracene	17.884	178	29380	4.669	ng	99
75) Fluoranthene	19.787	202	222501	28.597	ng	98
78) Pyrene	20.145	202	204792	29.293	ng	97
81) Benzo(a)anthracene	22.049	228	95492	13.652	ng	97
83) Chrysene	22.119	228	93238	14.236	ng	97
87) Indeno(1,2,3-cd)pyrene	29.680	276	42211	5.179	ng	# 70
88) Benzo(b)fluoranthene	24.475	252	113026	16.390	ng	# 98
89) Benzo(k)fluoranthene	24.539	252	36428m	5.291	ng	
90) Benzo(a)pyrene	25.438	252	86813	12.811	ng	# 99
92) Benzo(g,h,i)perylene	30.972	276	41339m	6.302	ng	

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

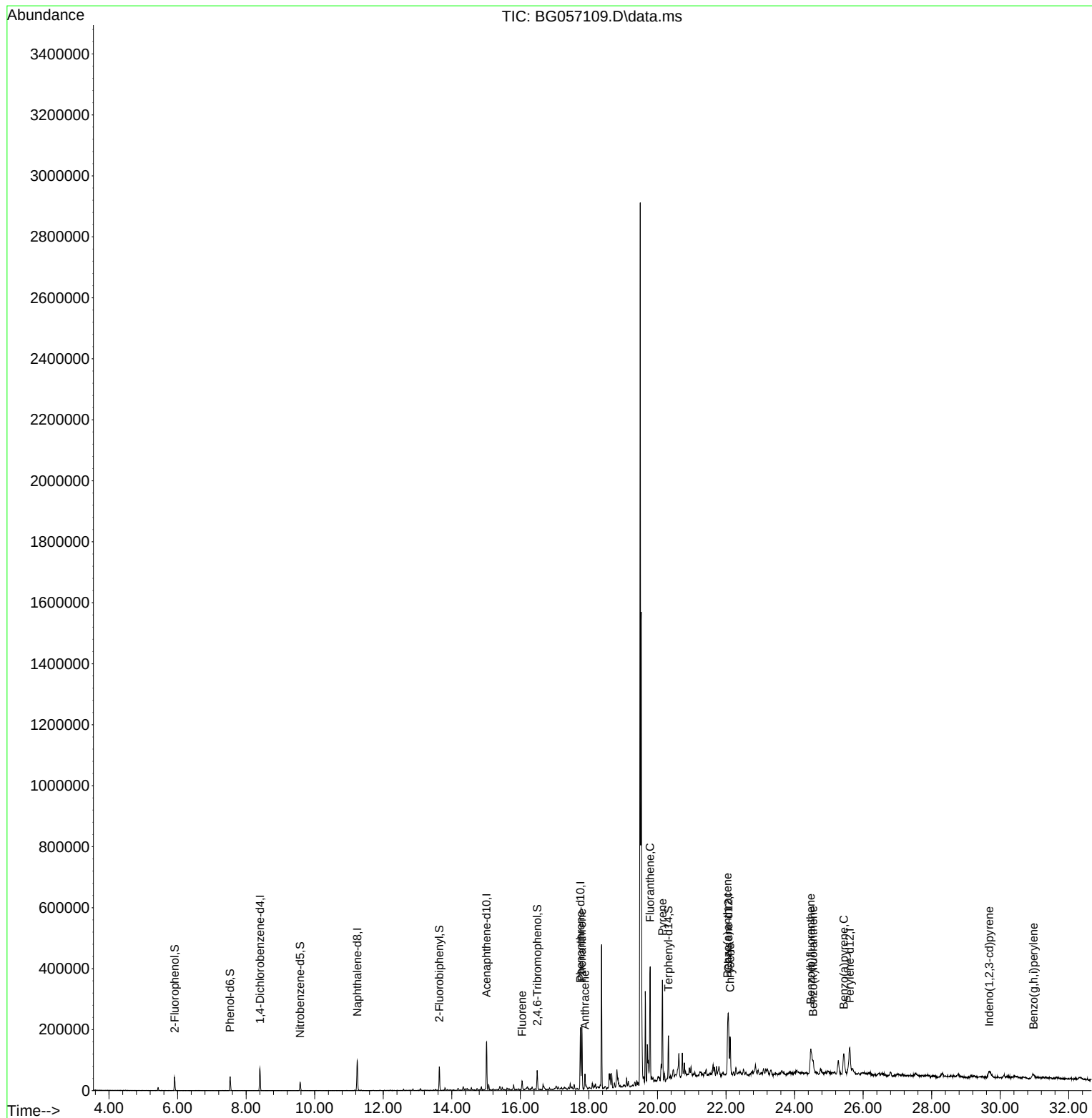
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Data File : BG057109.D
Acq On : 14 Apr 2023 21:20
Operator : CG/JU
Sample : 02348-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

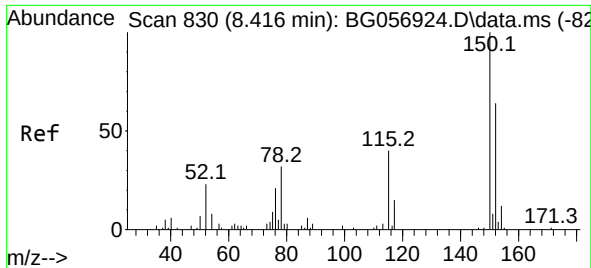
Instrument :
BNA_G
ClientSampleId :
TR-05-041323

Quant Time: Apr 15 02:50:02 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 13 05:15:23 2023
Response via : Initial Calibration

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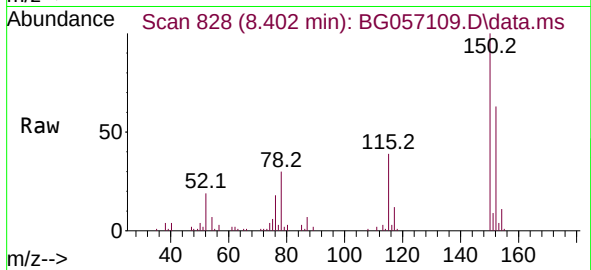
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.402 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

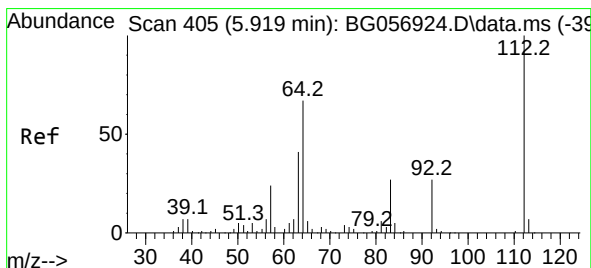
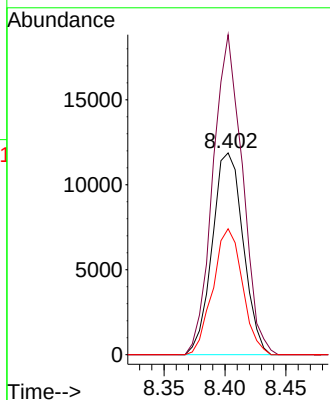
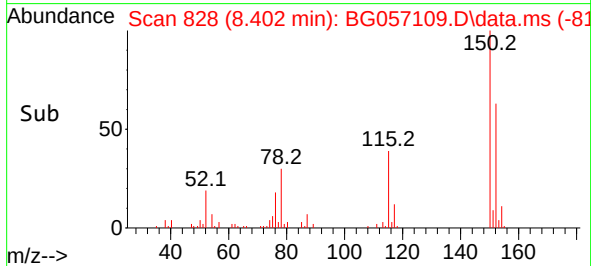
Instrument :
BNA_G
ClientSampleId :
TR-05-041323



Tgt Ion:152 Resp: 20969
Ion Ratio Lower Upper
152 100
150 158.6 124.1 186.1
115 62.4 49.1 73.7

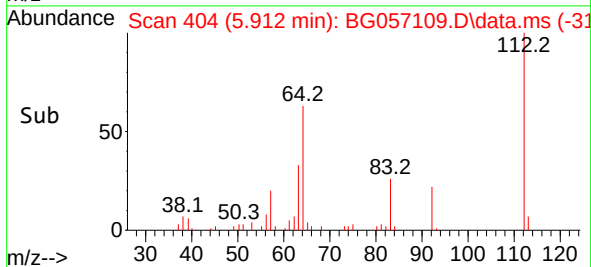
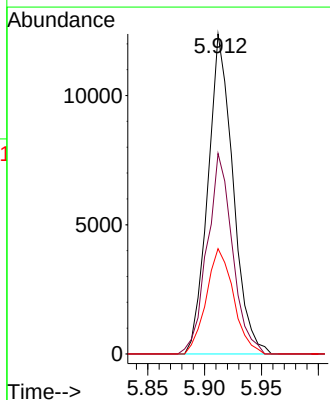
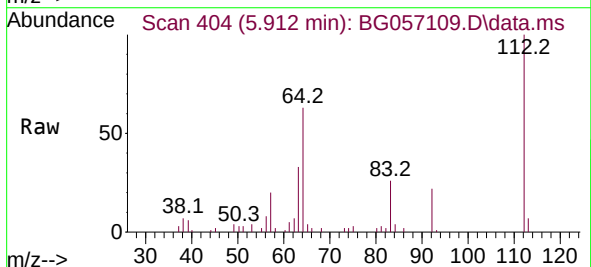
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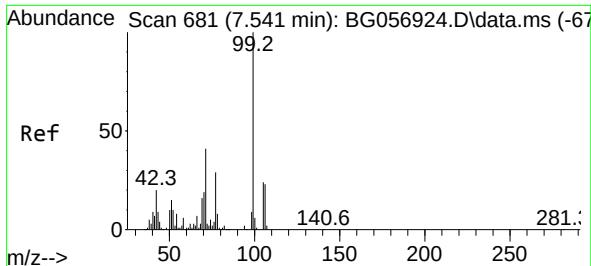
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#5
2-Fluorophenol
Concen: 14.545 ng
RT: 5.912 min Scan# 404
Delta R.T. -0.003 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

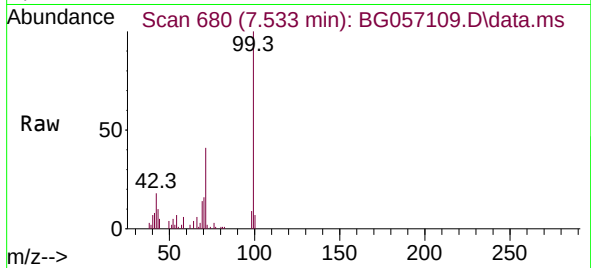
Tgt Ion:112 Resp: 19057
Ion Ratio Lower Upper
112 100
64 62.7 53.2 79.8
63 32.9 32.6 48.8





#7
Phenol-d6
Concen: 13.813 ng
RT: 7.533 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

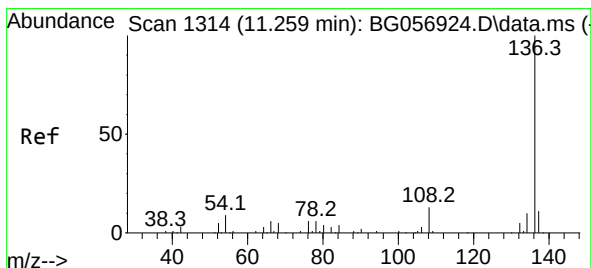
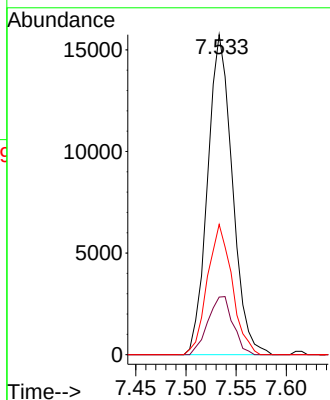
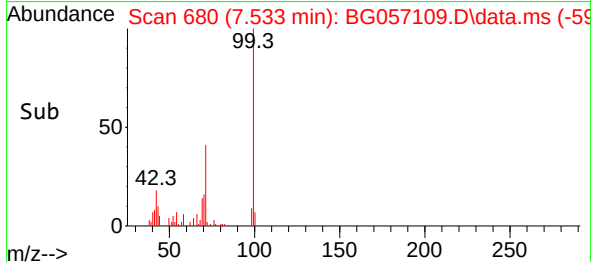
Instrument :
BNA_G
ClientSampleId :
TR-05-041323



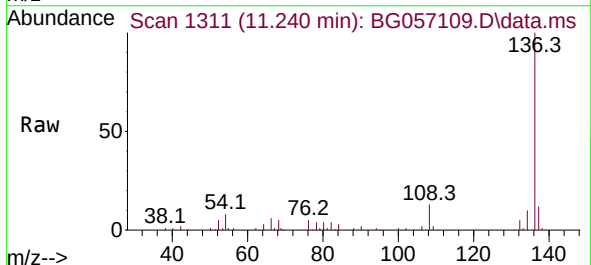
Tgt Ion: 99 Resp: 2706
Ion Ratio Lower Upper
99 100
42 18.0 15.7 23.5
71 40.7 32.5 48.7

Manual Integrations
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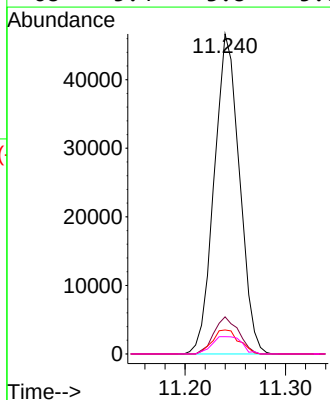
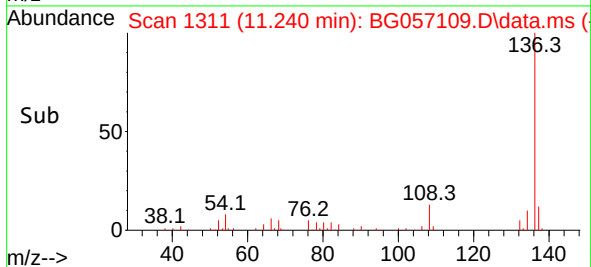
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023

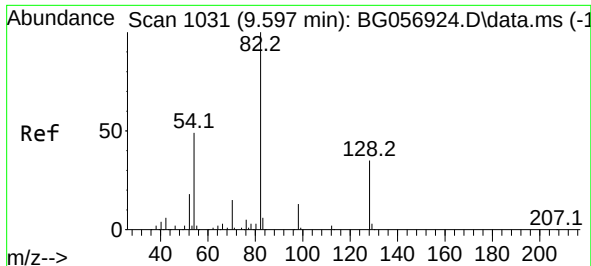


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.240 min Scan# 1311
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20



Tgt Ion:136 Resp: 81484
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 7.5 6.9 10.3
68 5.4 3.8 5.6





#23
Nitrobenzene-d5
Concen: 8.583 ng
RT: 9.577 min Scan# 1028
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

Instrument :

BNA_G

ClientSampleId :

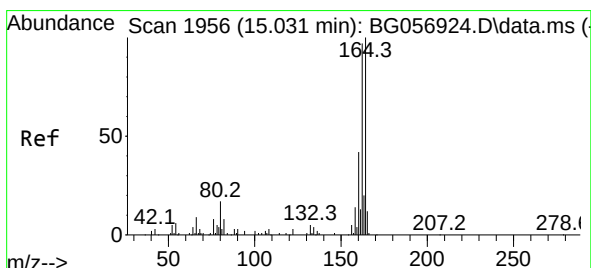
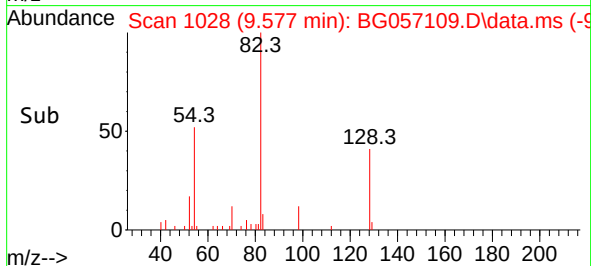
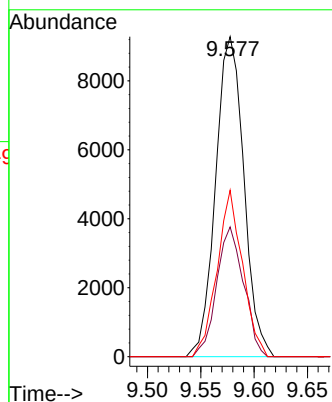
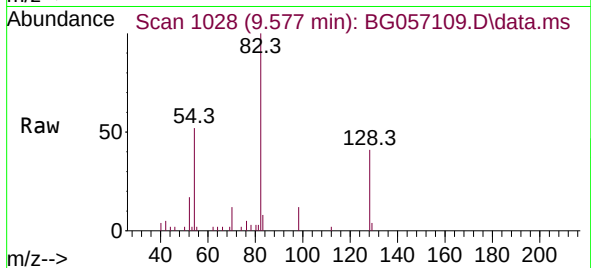
TR-05-041323

Tgt Ion: 82 Resp: 1709
Ion Ratio Lower Upper
82 100
128 40.5 27.9 41.9
54 52.0 39.4 59.2

Manual Integrations

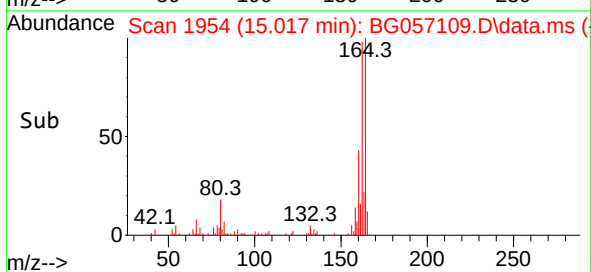
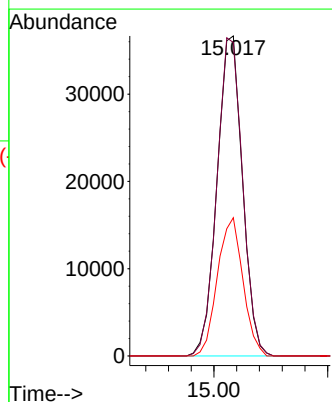
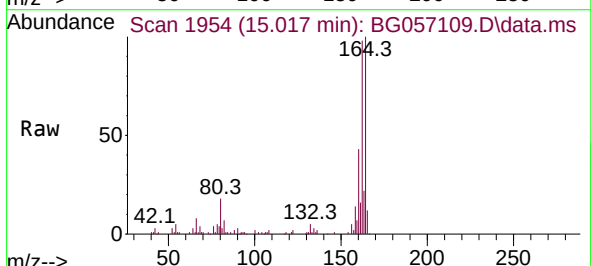
APPROVED

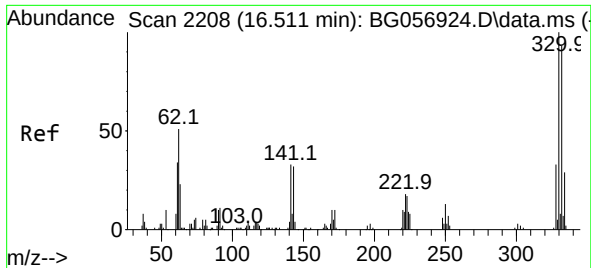
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.017 min Scan# 1954
Delta R.T. -0.003 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

Tgt Ion:164 Resp: 57001
Ion Ratio Lower Upper
164 100
162 97.9 77.8 116.8
160 43.2 33.5 50.3





#42
2,4,6-Tribromophenol
Concen: 12.402 ng
RT: 16.492 min Scan# 211
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

Instrument :

BNA_G

ClientSampleId :

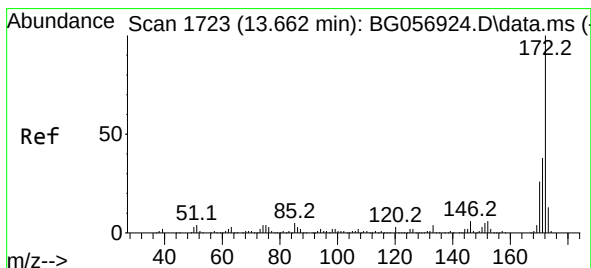
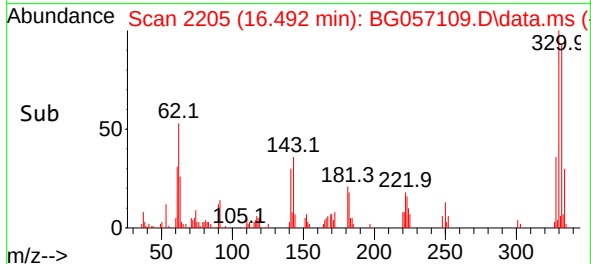
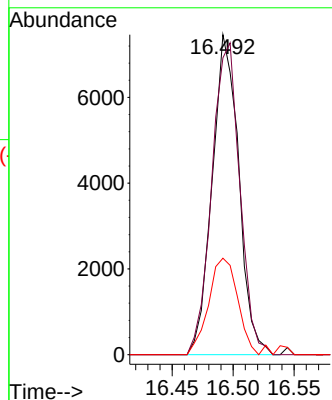
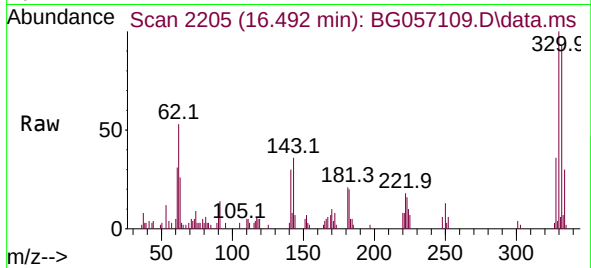
TR-05-041323

Tgt Ion:330 Resp: 1129
Ion Ratio Lower Upper
330 100
332 102.5 76.1 114.1
141 32.9 25.8 38.6

Manual Integrations

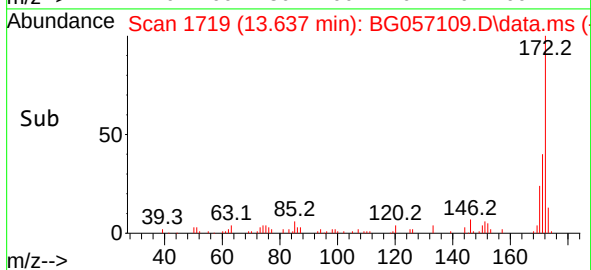
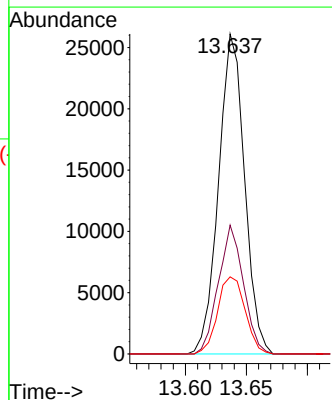
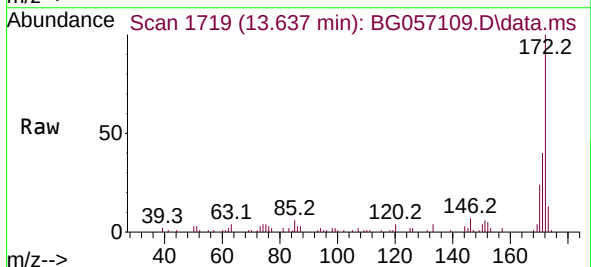
APPROVED

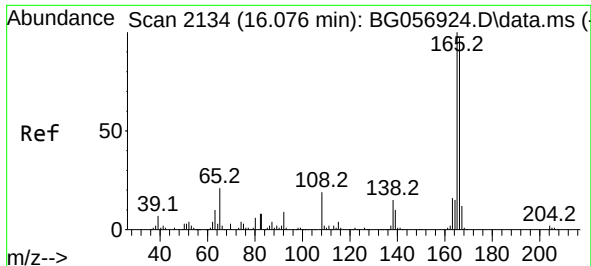
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#45
2-Fluorobiphenyl
Concen: 9.209 ng
RT: 13.637 min Scan# 1719
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

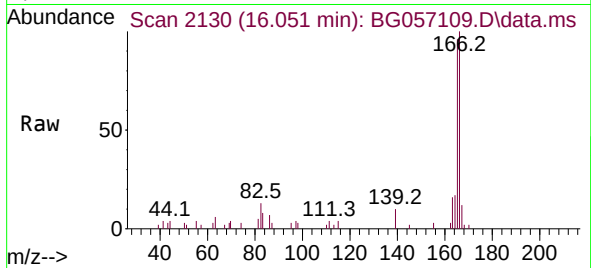
Tgt Ion:172 Resp: 38711
Ion Ratio Lower Upper
172 100
171 40.2 30.6 46.0
170 24.1 20.6 30.8





#58
 Fluorene
 Concen: 3.075 ng
 RT: 16.051 min Scan# 2135
 Delta R.T. -0.009 min
 Lab File: BG057109.D
 Acq: 14 Apr 2023 21:20

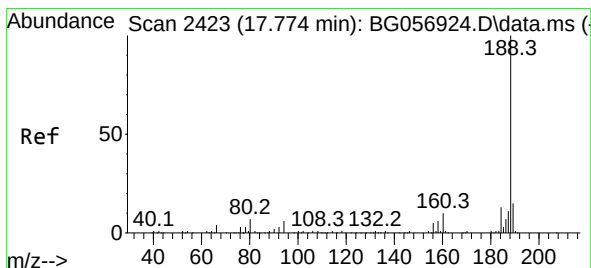
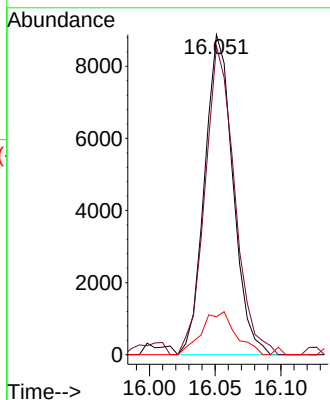
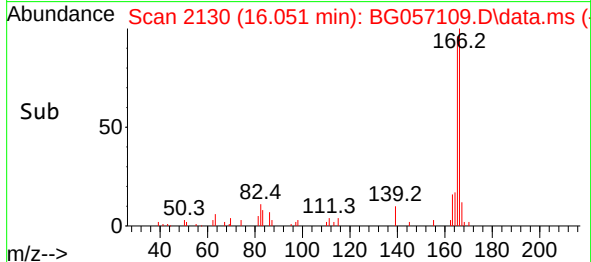
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-041323



Tgt Ion:166 Resp: 1335
 Ion Ratio Lower Upper
 166 100
 165 96.5 82.6 123.8
 167 11.8 10.2 15.2

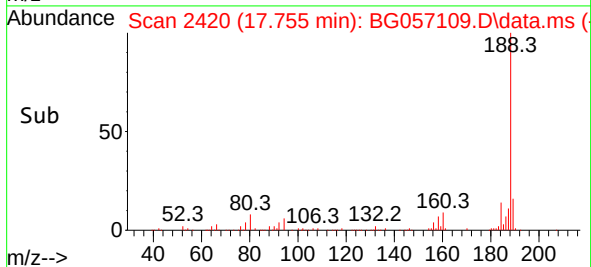
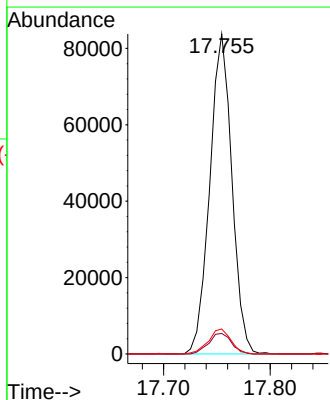
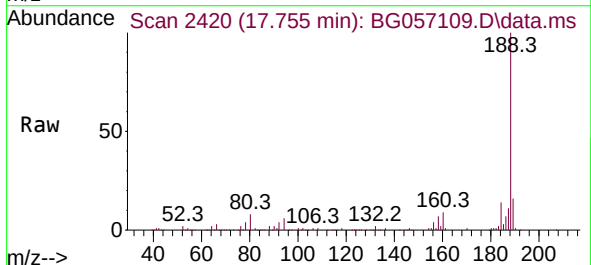
Manual Integrations
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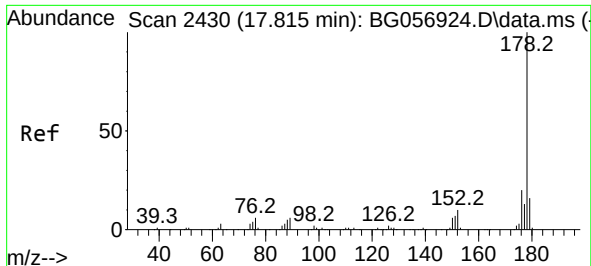
Reviewed By :Christian Giraldo 04/17/2023
 Supervised By :Jagrut Upadhyay 04/17/2023



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.755 min Scan# 2420
 Delta R.T. -0.009 min
 Lab File: BG057109.D
 Acq: 14 Apr 2023 21:20

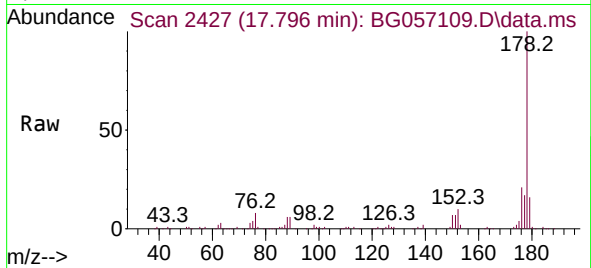
Tgt Ion:188 Resp: 120383
 Ion Ratio Lower Upper
 188 100
 94 6.4 4.6 6.8
 80 7.8 5.5 8.3





#71
Phenanthrene
Concen: 20.630 ng
RT: 17.796 min Scan# 2430
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

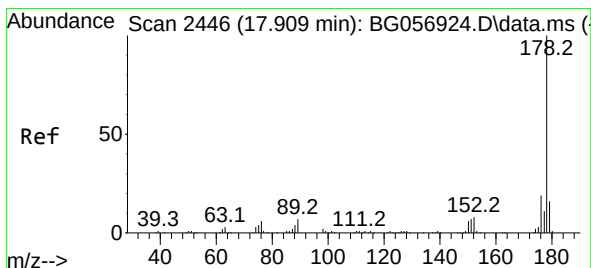
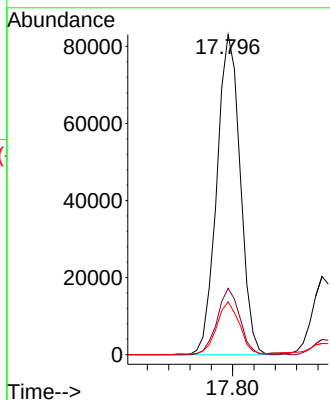
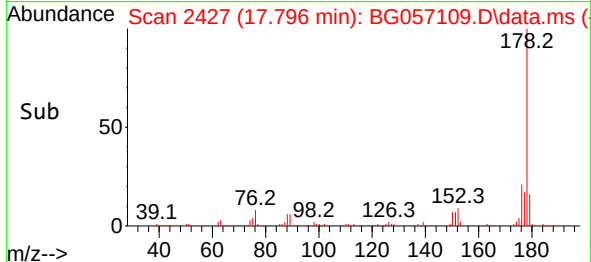
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ClientSampleId :
TR-05-041323



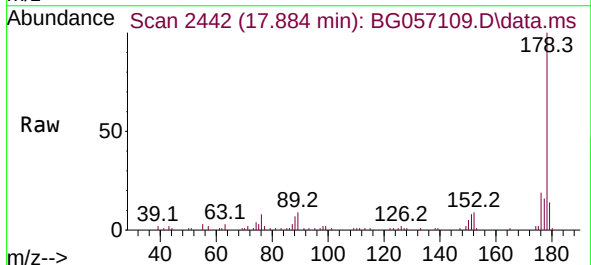
Tgt Ion:178 Resp: 12662
Ion Ratio Lower Upper
178 100
176 20.8 16.2 24.2
179 16.5 12.5 18.7

Manual Integrations
APPROVED

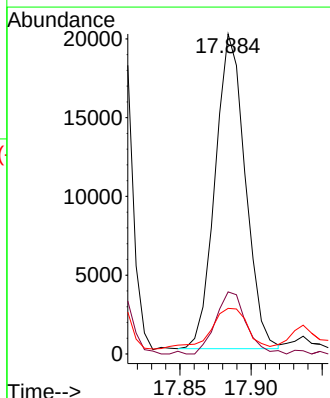
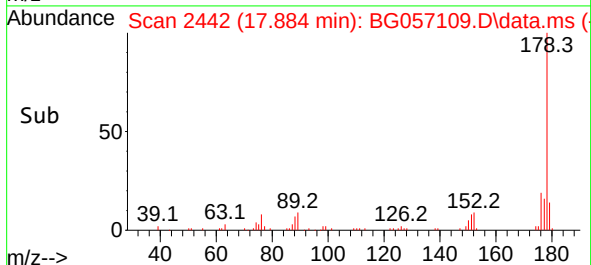
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023

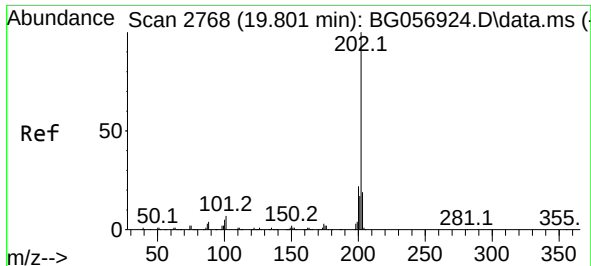


#72
Anthracene
Concen: 4.669 ng
RT: 17.884 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20



Tgt Ion:178 Resp: 29380
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 14.2 12.4 18.6





#75
Fluoranthene
Concen: 28.597 ng
RT: 19.787 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

Instrument :

BNA_G

ClientSampleId :

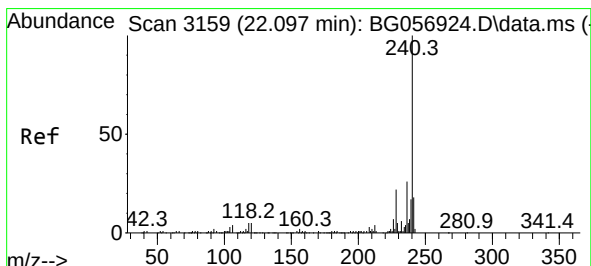
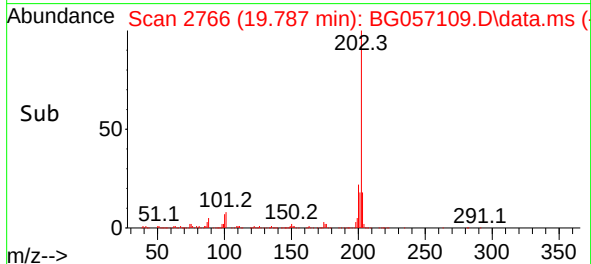
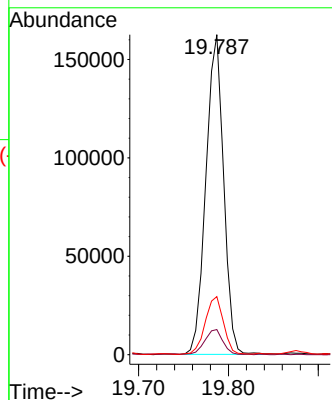
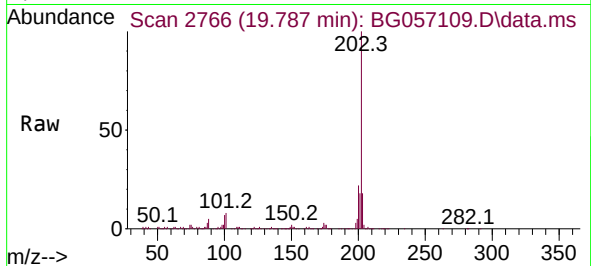
TR-05-041323

Tgt Ion:202 Resp: 22250
Ion Ratio Lower Upper
202 100
101 7.9 0.0 26.7
203 18.2 0.0 39.0

Manual Integrations

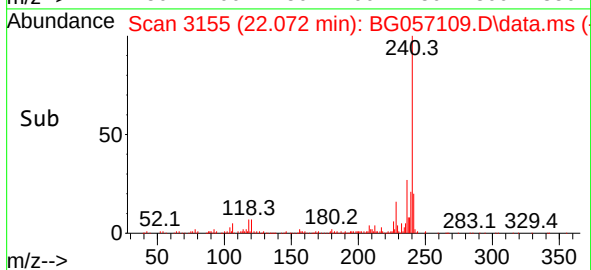
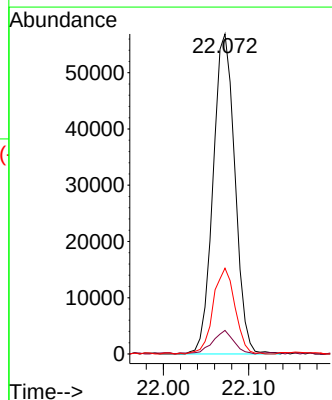
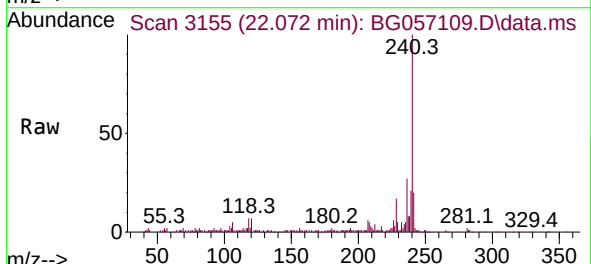
APPROVED

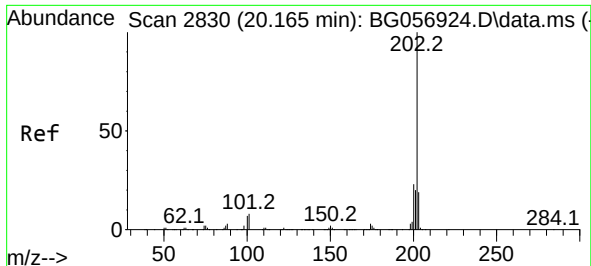
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.072 min Scan# 3155
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

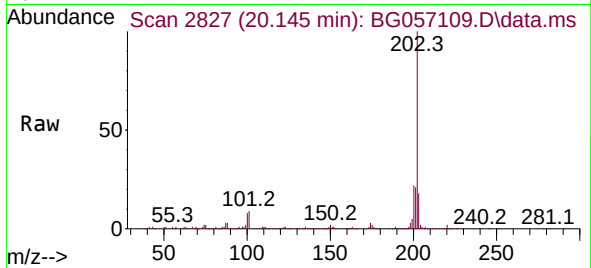
Tgt Ion:240 Resp: 101080
Ion Ratio Lower Upper
240 100
120 7.3 3.8 5.6#
236 26.8 21.0 31.6





#78
Pyrene
Concen: 29.293 ng
RT: 20.145 min Scan# 2827
Delta R.T. -0.003 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

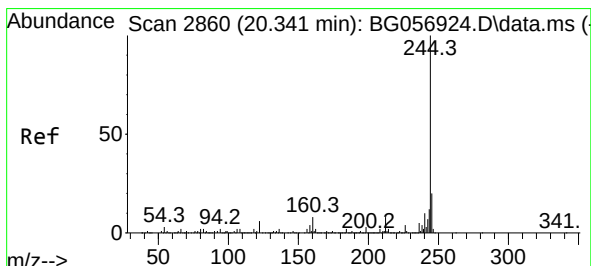
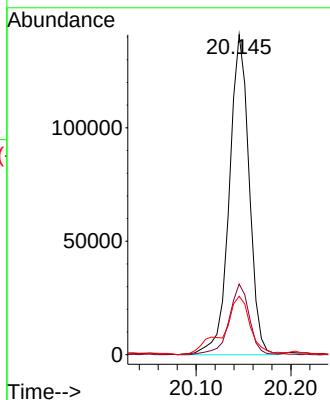
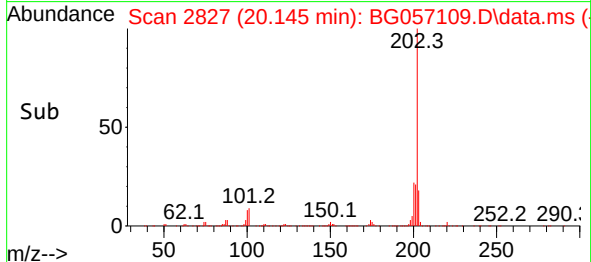
Instrument :
BNA_G
ClientSampleId :
TR-05-041323



Tgt Ion:202 Resp: 204792
Ion Ratio Lower Upper
202 100
200 22.1 18.7 28.1
203 18.3 15.4 23.2

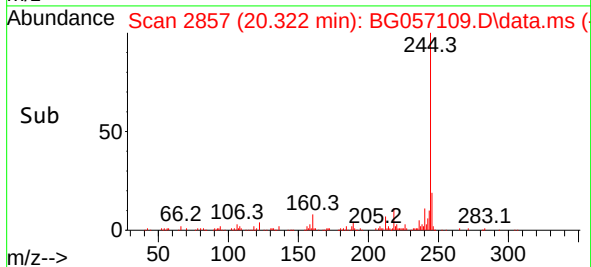
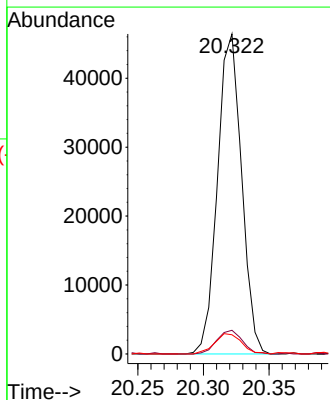
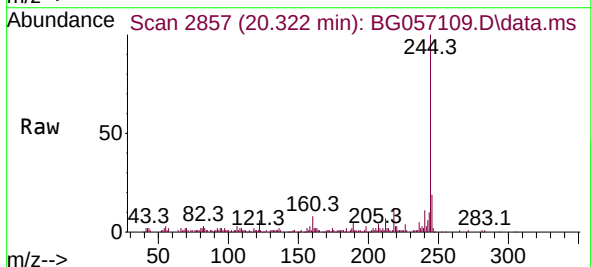
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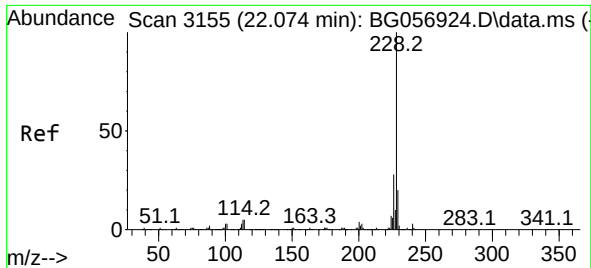
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023



#79
Terphenyl-d14
Concen: 9.897 ng
RT: 20.322 min Scan# 2857
Delta R.T. -0.003 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

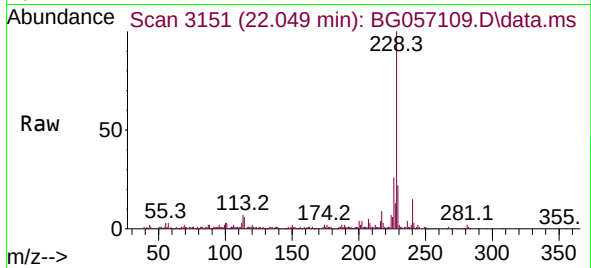
Tgt Ion:244 Resp: 59117
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 6.0 5.0 7.4





#81
Benzo(a)anthracene
Concen: 13.652 ng
RT: 22.049 min Scan# 3155
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

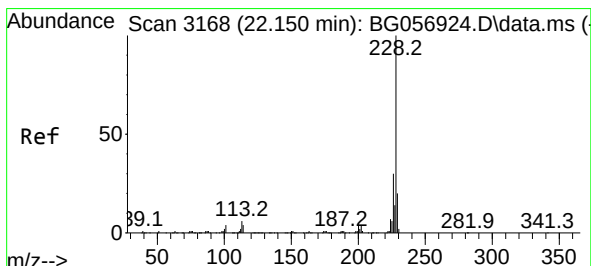
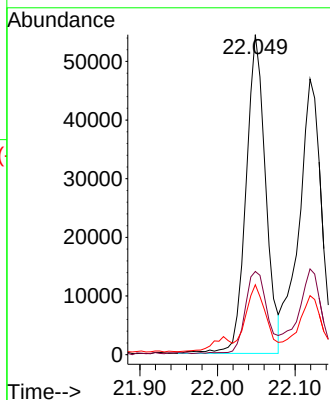
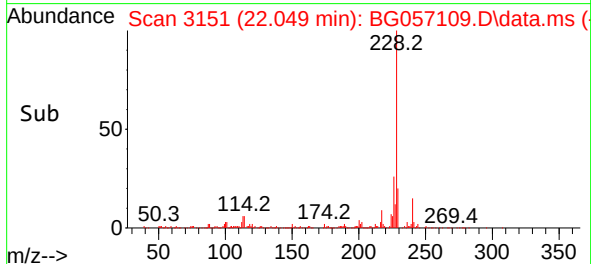
Instrument :
BNA_G
ClientSampleId :
TR-05-041323



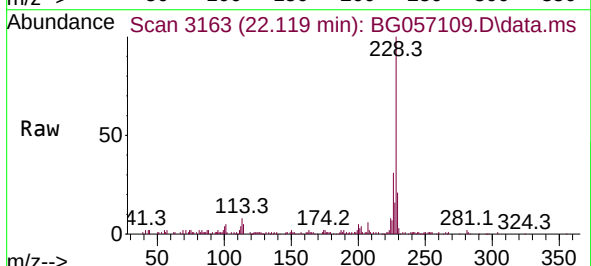
Tgt Ion:228 Resp: 95492
Ion Ratio Lower Upper
228 100
226 26.0 22.1 33.1
229 21.9 16.1 24.1

Manual Integrations
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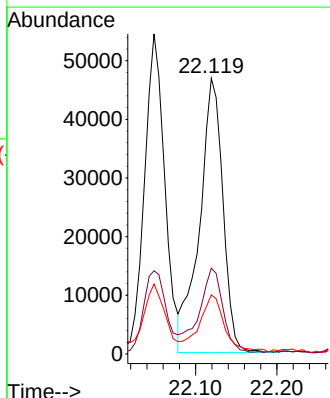
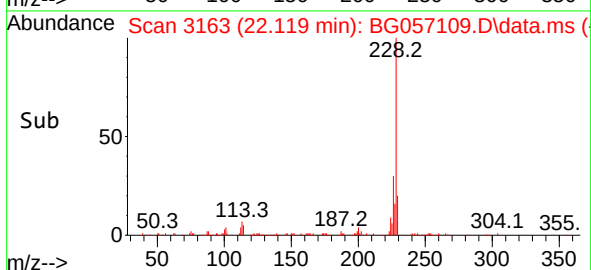
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023

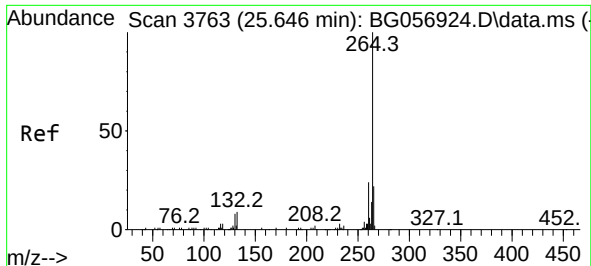


#83
Chrysene
Concen: 14.236 ng
RT: 22.119 min Scan# 3163
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20



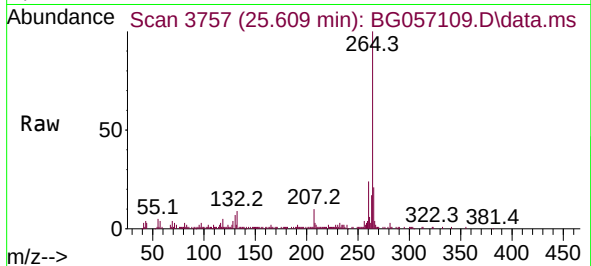
Tgt Ion:228 Resp: 93238
Ion Ratio Lower Upper
228 100
226 31.1 24.1 36.1
229 21.4 15.6 23.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.609 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BG057109.D
 Acq: 14 Apr 2023 21:20

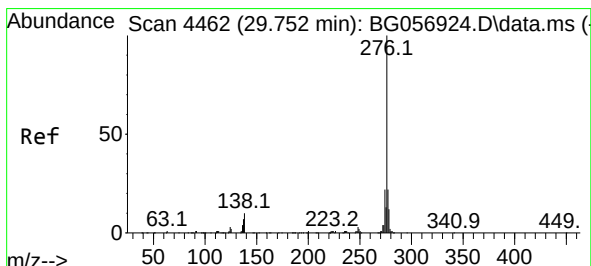
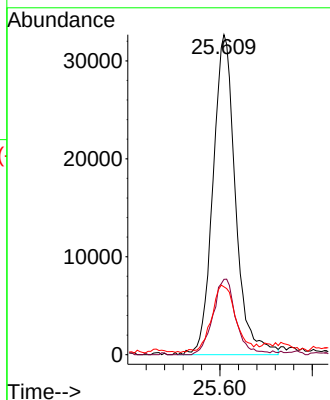
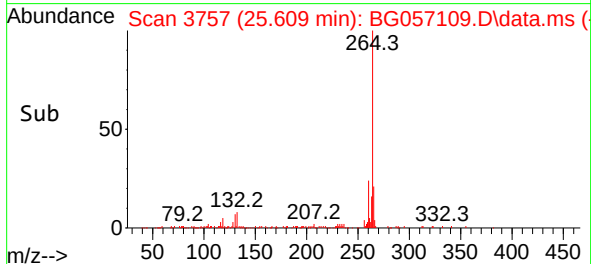
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-041323



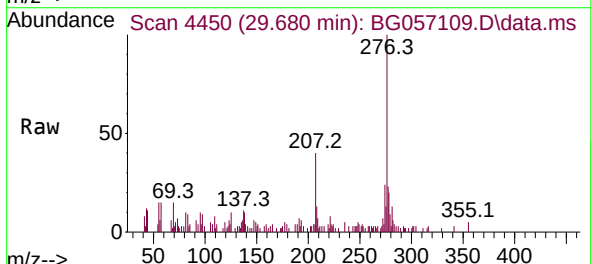
Tgt Ion:264 Resp: 110278
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 21.2 17.8 26.6

Manual Integrations
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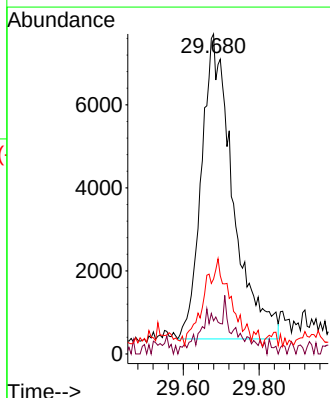
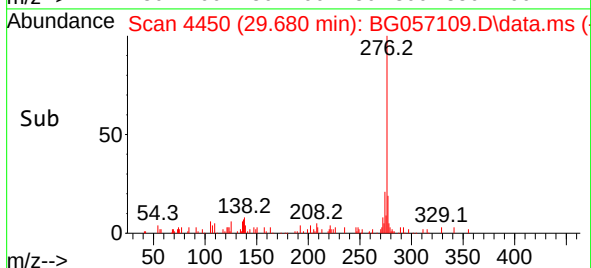
Reviewed By :Christian Giraldo 04/17/2023
 Supervised By :Jagrut Upadhyay 04/17/2023

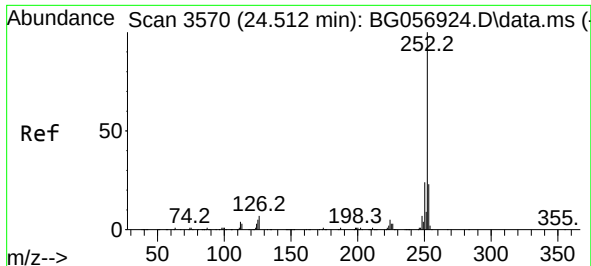


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.179 ng
 RT: 29.680 min Scan# 4450
 Delta R.T. -0.032 min
 Lab File: BG057109.D
 Acq: 14 Apr 2023 21:20



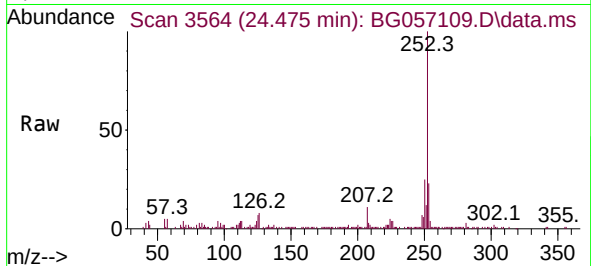
Tgt Ion:276 Resp: 42211
 Ion Ratio Lower Upper
 276 100
 138 2.4 7.7 11.5#
 277 8.8 21.0 31.4#





#88
Benzo(b)fluoranthene
Concen: 16.390 ng
RT: 24.475 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20

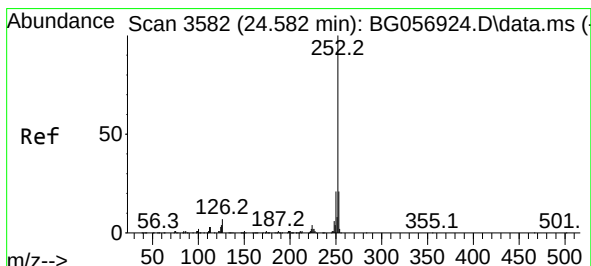
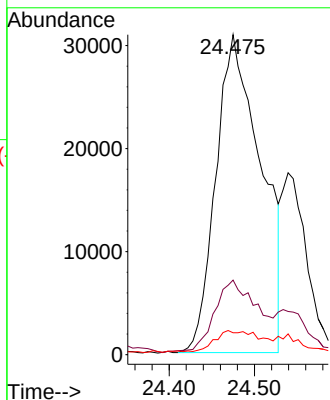
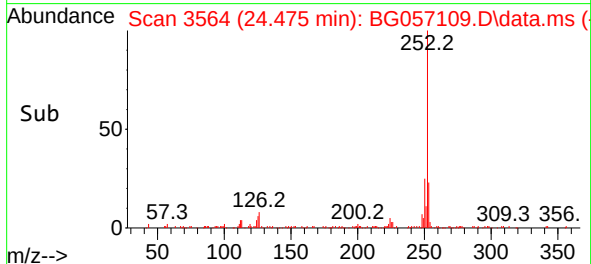
Instrument :
BNA_G
ClientSampleId :
TR-05-041323



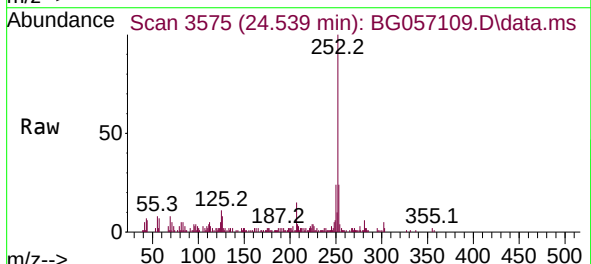
Tgt Ion:252 Resp: 113020
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 6.8 4.2 6.4

Manual Integrations
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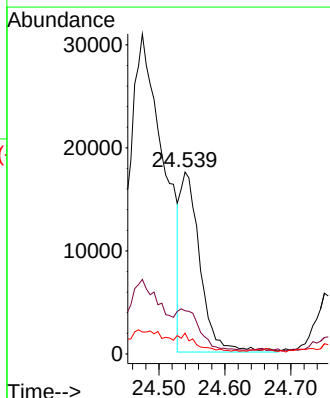
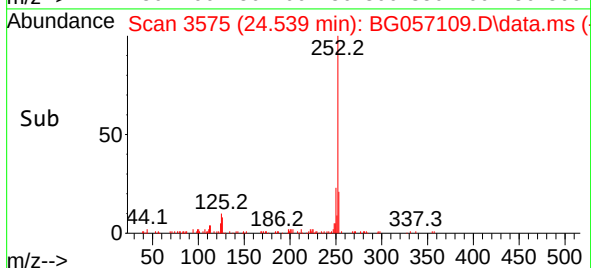
Reviewed By :Christian Giraldo 04/17/2023
Supervised By :Jagrut Upadhyay 04/17/2023

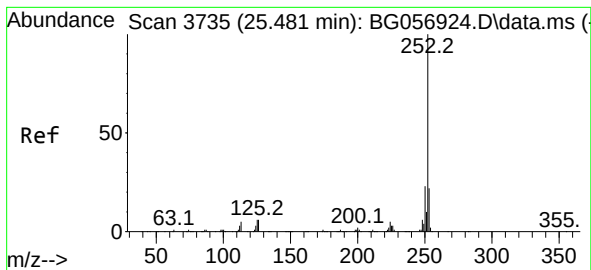


#89
Benzo(k)fluoranthene
Concen: 5.291 ng m
RT: 24.539 min Scan# 3575
Delta R.T. -0.020 min
Lab File: BG057109.D
Acq: 14 Apr 2023 21:20



Tgt Ion:252 Resp: 36428
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 11.4 3.8 5.6





#90

Benzo(a)pyrene

Concen: 12.811 ng

RT: 25.438 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG057109.D

Acq: 14 Apr 2023 21:20

Instrument :

BNA_G

ClientSampleId :

TR-05-041323

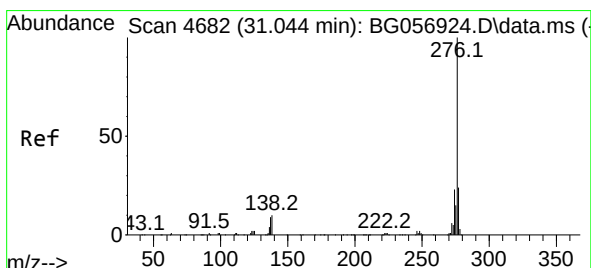
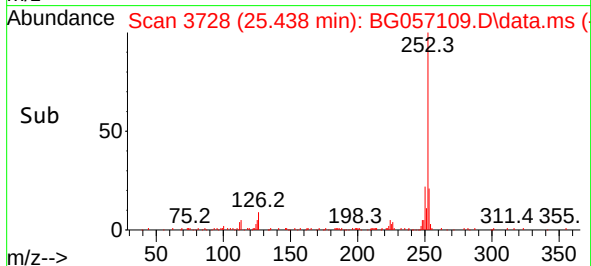
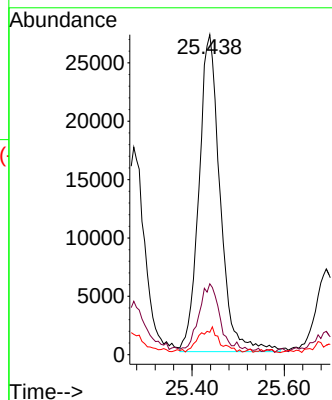
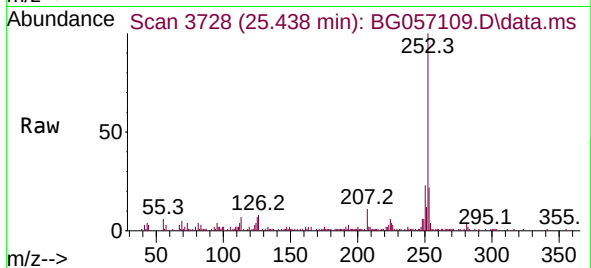
Tgt Ion:252 Resp: 8681
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.6 26.4
 125 7.0 4.5 6.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/17/2023

Supervised By :Jagrut Upadhyay 04/17/2023



#92

Benzo(g,h,i)perylene

Concen: 6.302 ng m

RT: 30.972 min Scan# 4670

Delta R.T. -0.020 min

Lab File: BG057109.D

Acq: 14 Apr 2023 21:20

Tgt Ion:276 Resp: 41339
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.1 28.7
 138 13.3 8.2 12.2

