

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
 Data File : BG056628.D
 Acq On : 13 Feb 2023 20:50
 Operator : CG/JU
 Sample : 01510-07DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-51B-020823DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/14/2023
 Supervised By : Jagrut Upadhyay 02/14/2023

Quant Time: Feb 14 02:09:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 22:46:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	50148	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	183948	20.000	ng	0.00
39) Acenaphthene-d10	14.847	164	125478	20.000	ng	0.00
64) Phenanthrene-d10	17.585	188	275067	20.000	ng	0.00
76) Chrysene-d12	21.874	240	256873	20.000	ng	0.01
86) Perylene-d12	25.264	264	270367	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.740	112	92995	34.113	ng	0.01
7) Phenol-d6	7.373	99	122549	30.341	ng	0.00
23) Nitrobenzene-d5	9.389	82	67861	20.949	ng	0.00
42) 2,4,6-Tribromophenol	16.334	330	49568	29.714	ng	0.00
45) 2-Fluorobiphenyl	13.466	172	206964	22.868	ng	0.00
79) Terphenyl-d14	20.164	244	292389	19.992	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.098	128	36904	3.801	ng	97
55) Dibenzofuran	15.235	168	25753	2.092	ng	98
71) Phenanthrene	17.626	178	273400	18.991	ng	98
72) Anthracene	17.714	178	69581	4.708	ng	96
75) Fluoranthene	19.624	202	549614	30.248	ng	100
78) Pyrene	19.988	202	577213	31.595	ng	99
81) Benzo(a)anthracene	21.856	228	371068	20.663	ng	99
83) Chrysene	21.921	228	378966	22.462	ng	97
87) Indeno(1,2,3-cd)pyrene	29.166	276	193676	9.786	ng	# 92
88) Benzo(b)fluoranthene	24.189	252	575535	34.296	ng	97
89) Benzo(k)fluoranthene	24.248	252	212776m	12.558	ng	
90) Benzo(a)pyrene	25.106	252	440566	26.651	ng	99
91) Dibenzo(a,h)anthracene	29.213	278	58049m	3.494	ng	
92) Benzo(g,h,i)perylene	30.388	276	167386	10.442	ng	# 95

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

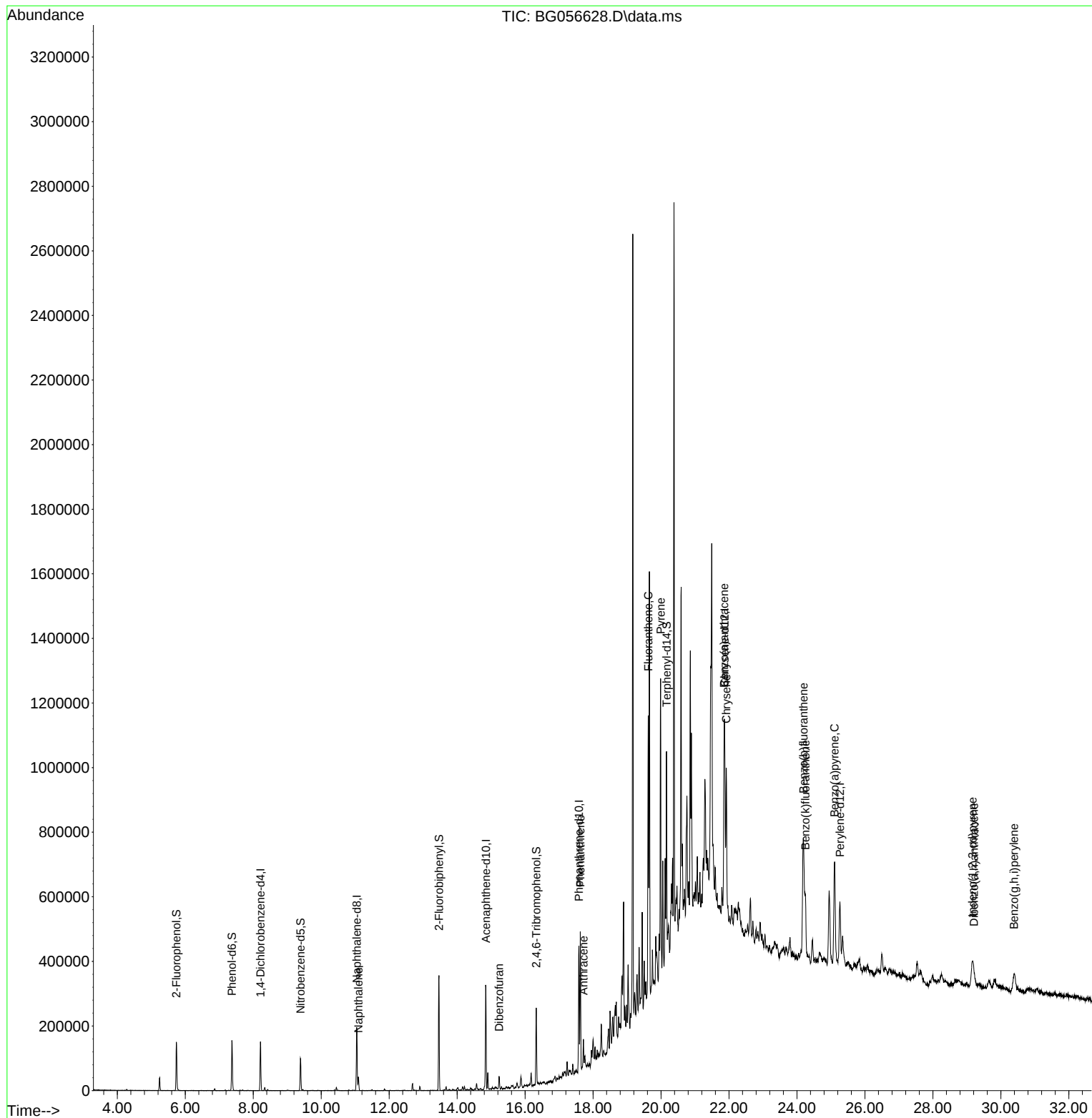
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
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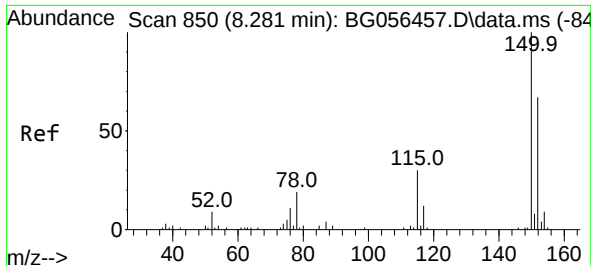
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Quant Time: Feb 14 02:09:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 10 22:46:08 2023
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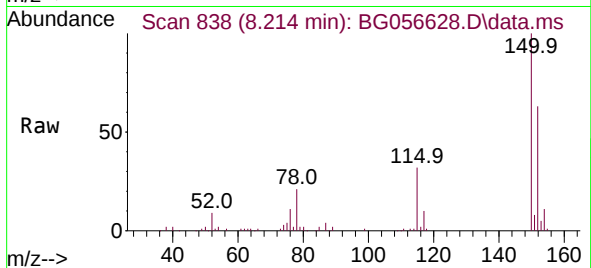
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.214 min Scan# 84
Delta R.T. 0.007 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

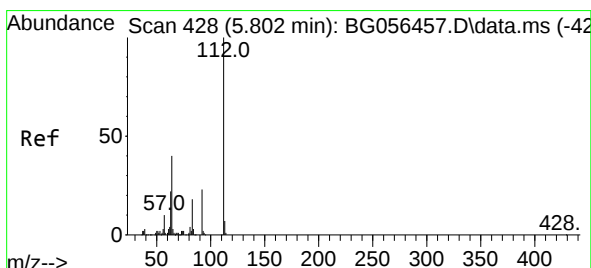
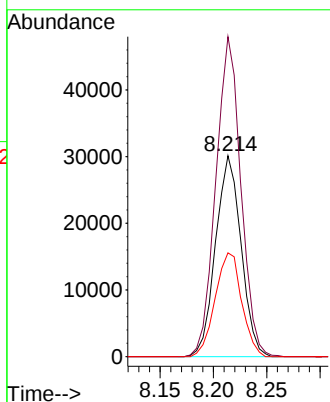
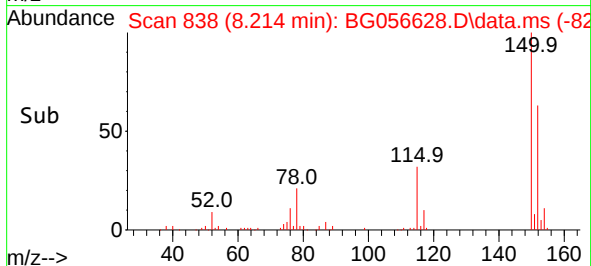
Instrument :
BNA_G
ClientSampleId :
JPP-51B-020823DL



Tgt Ion:152 Resp: 50148
Ion Ratio Lower Upper
152 100
150 159.3 120.2 180.4
115 51.7 36.3 54.5

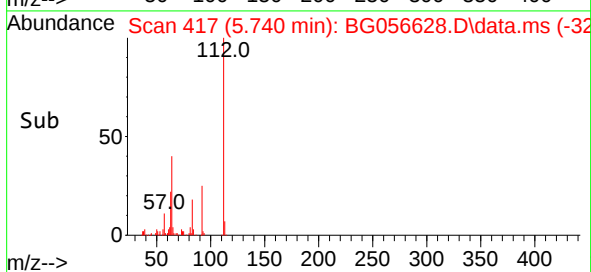
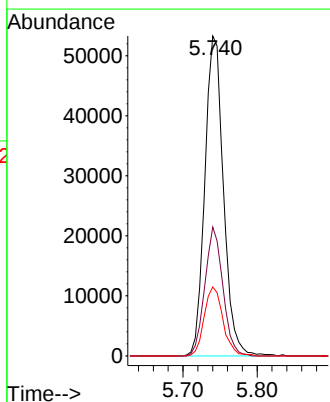
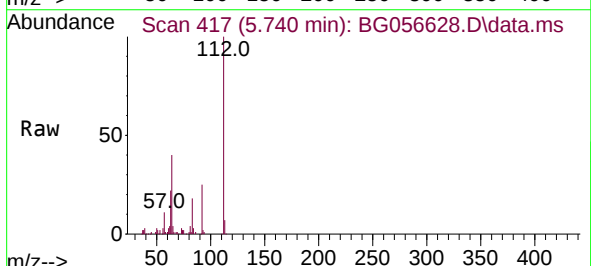
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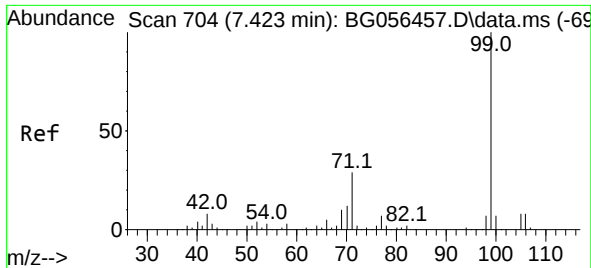
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#5
2-Fluorophenol
Concen: 34.113 ng
RT: 5.740 min Scan# 417
Delta R.T. 0.012 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Tgt Ion:112 Resp: 92995
Ion Ratio Lower Upper
112 100
64 40.3 31.9 47.9
63 21.5 17.4 26.0





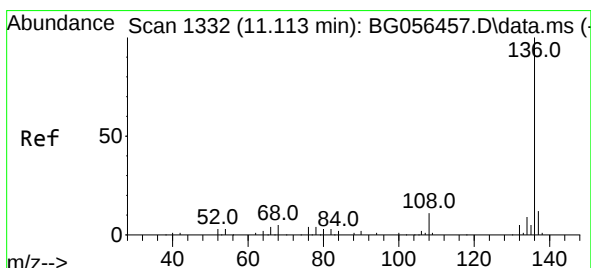
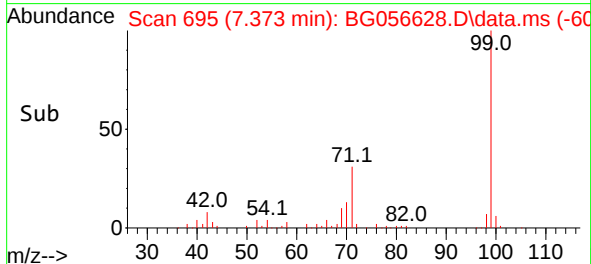
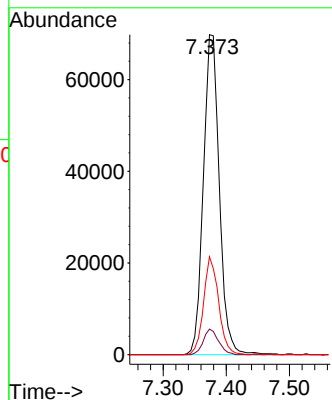
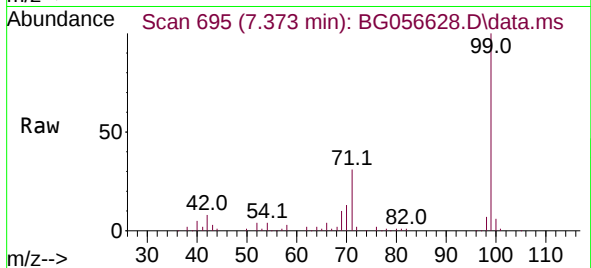
#7
Phenol-d6
Concen: 30.341 ng
RT: 7.373 min Scan# 69
Delta R.T. 0.006 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Instrument :
BNA_G
ClientSampleId :
JPP-51B-020823DL

Tgt Ion: 99 Resp: 122549
Ion Ratio Lower Upper
99 100
42 8.0 6.6 10.0
71 30.6 23.4 35.0

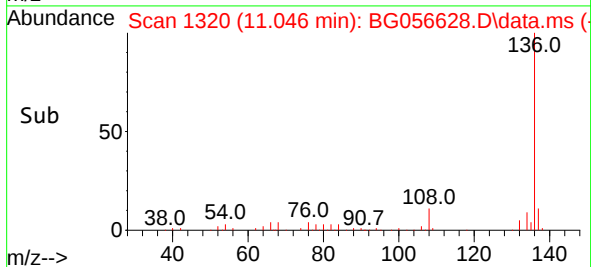
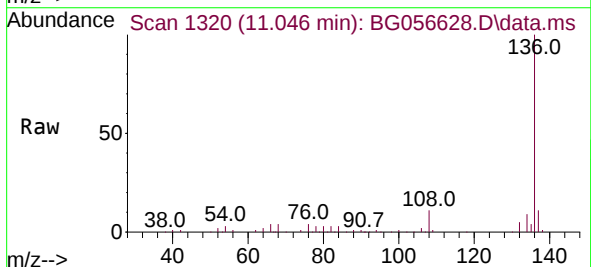
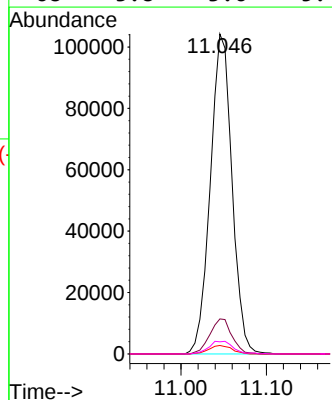
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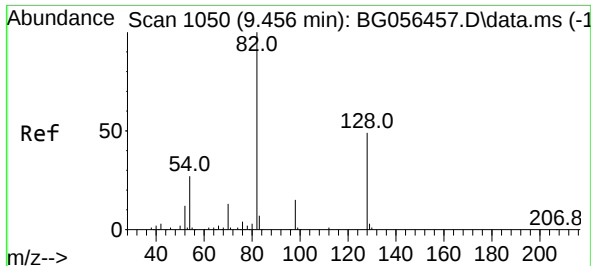
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Tgt Ion:136 Resp: 183948
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 2.6 2.2 3.4
68 3.8 3.6 5.4





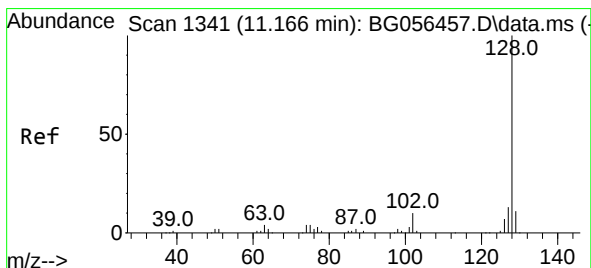
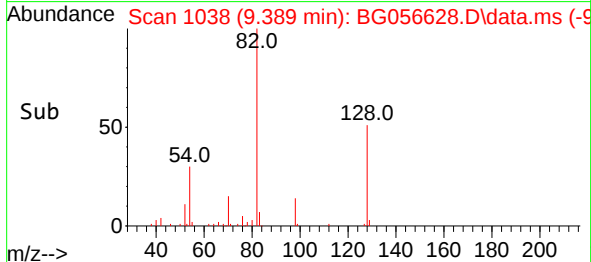
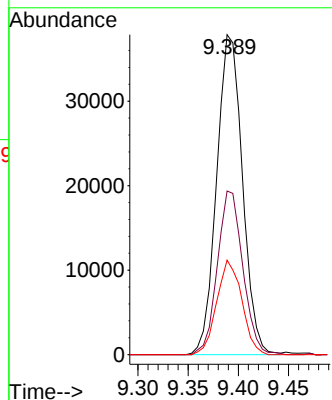
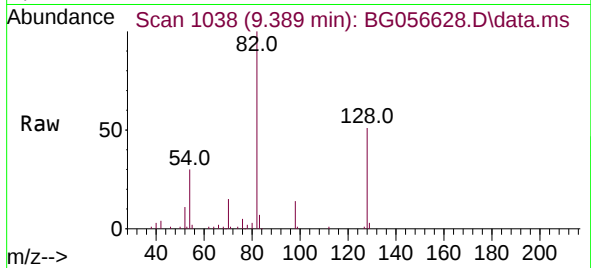
#23
Nitrobenzene-d5
Concen: 20.949 ng
RT: 9.389 min Scan# 1050
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Instrument :
BNA_G
ClientSampleId :
JPP-51B-020823DL

Tgt Ion: 82 Resp: 6786
Ion Ratio Lower Upper
82 100
128 51.1 39.4 59.2
54 29.5 21.4 32.2

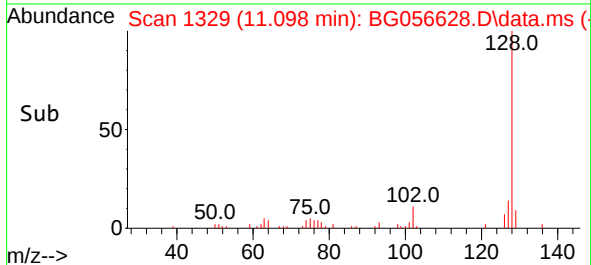
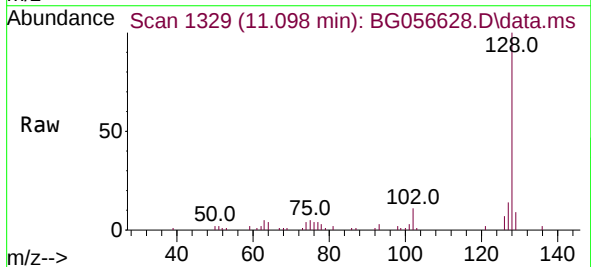
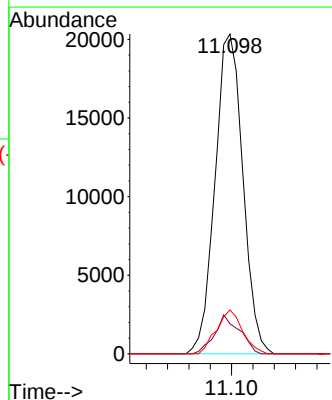
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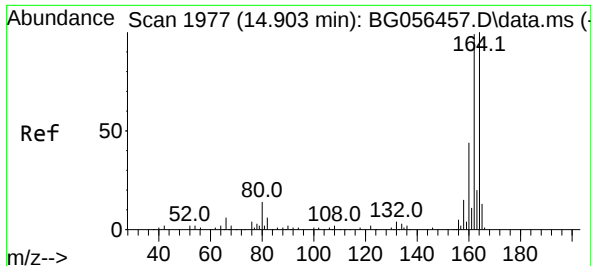
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#31
Naphthalene
Concen: 3.801 ng
RT: 11.098 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

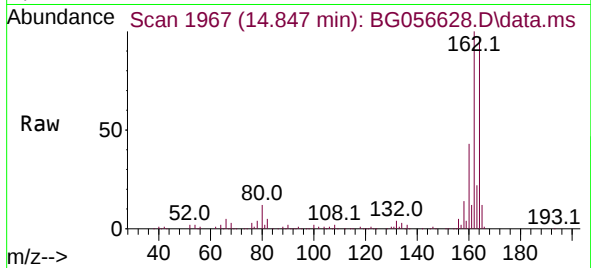
Tgt Ion:128 Resp: 36904
Ion Ratio Lower Upper
128 100
129 9.4 8.7 13.1
127 13.7 10.4 15.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.847 min Scan# 1977
Delta R.T. 0.006 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

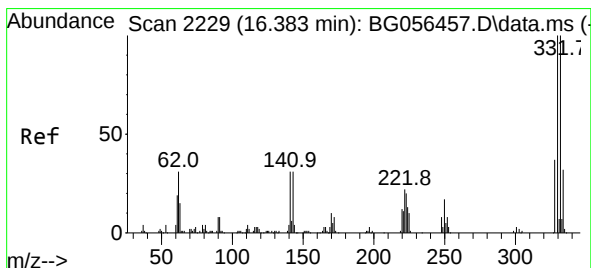
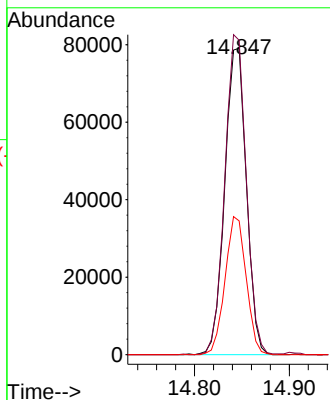
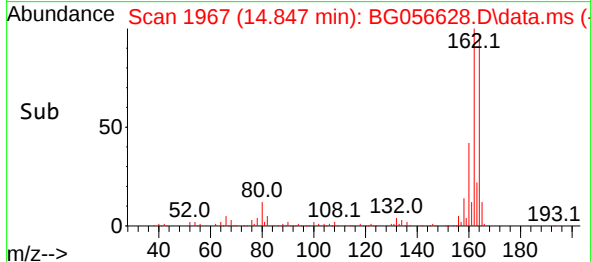
Instrument :
BNA_G
ClientSampleId :
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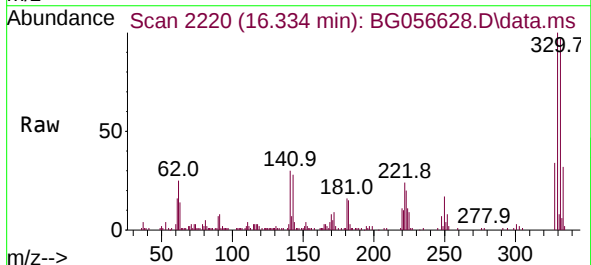
Tgt Ion:164 Resp: 125478
Ion Ratio Lower Upper
164 100
162 102.6 79.6 119.4
160 43.6 34.9 52.3

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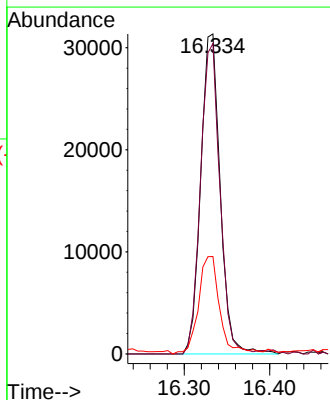
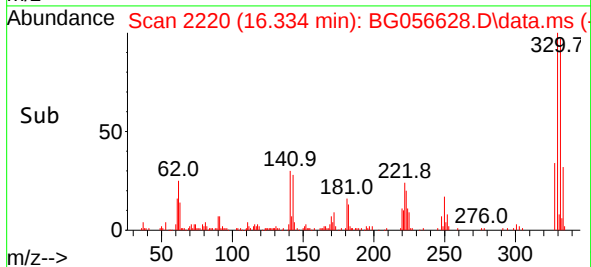
Reviewed By :Christian Giraldo 02/14/2023
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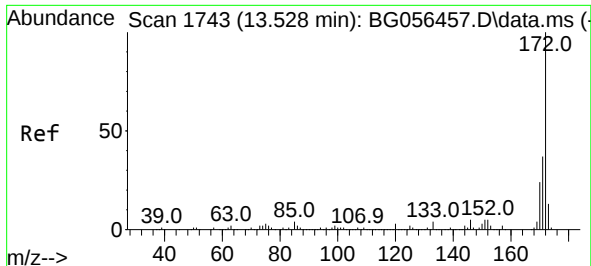


#42
2,4,6-Tribromophenol
Concen: 29.714 ng
RT: 16.334 min Scan# 2220
Delta R.T. 0.006 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50



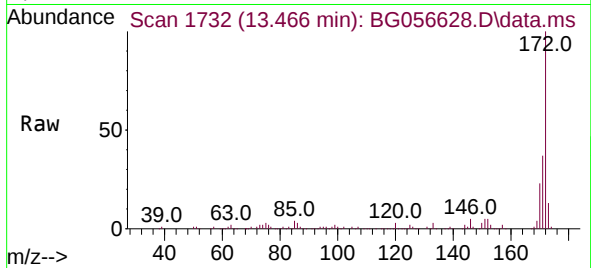
Tgt Ion:330 Resp: 49568
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.6
141 33.4 24.2 36.4





#45
2-Fluorobiphenyl
Concen: 22.868 ng
RT: 13.466 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

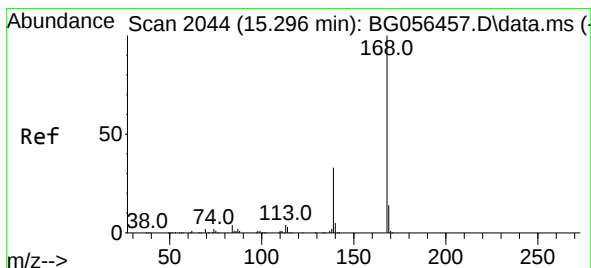
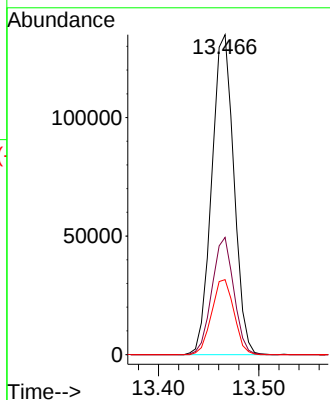
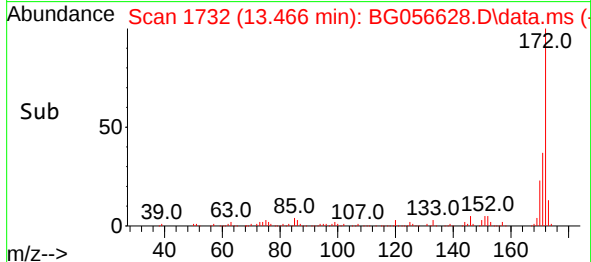
Instrument :
BNA_G
ClientSampleId :
JPP-51B-020823DL



Tgt Ion:172 Resp: 206964
Ion Ratio Lower Upper
172 100
171 36.6 29.5 44.3
170 23.4 19.2 28.8

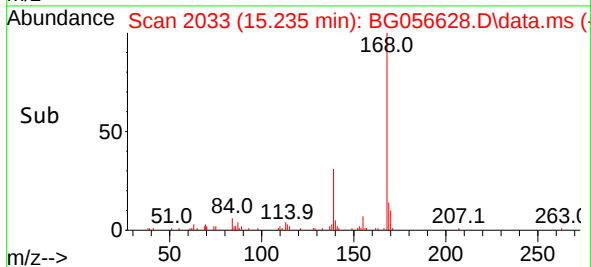
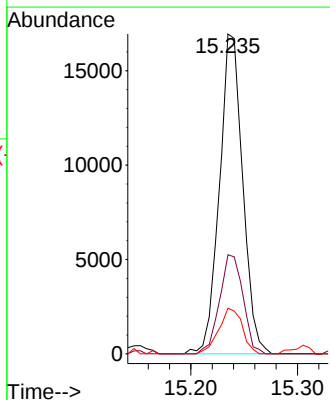
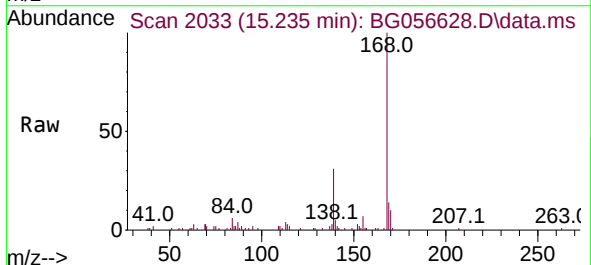
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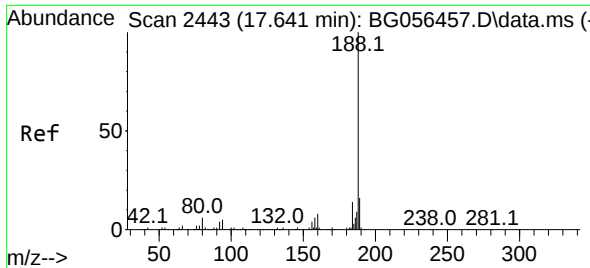
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#55
Dibenzofuran
Concen: 2.092 ng
RT: 15.235 min Scan# 2033
Delta R.T. -0.005 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Tgt Ion:168 Resp: 25753
Ion Ratio Lower Upper
168 100
139 31.0 26.2 39.2
169 14.3 11.0 16.6





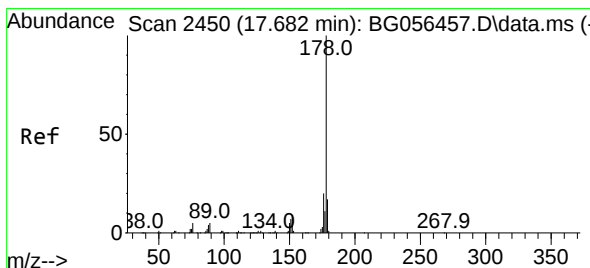
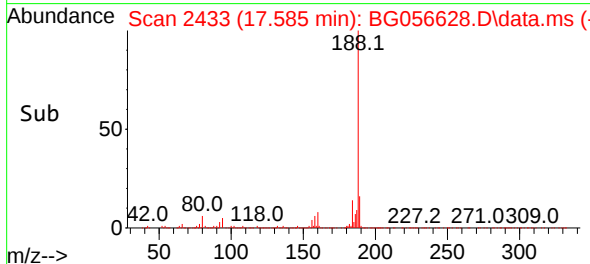
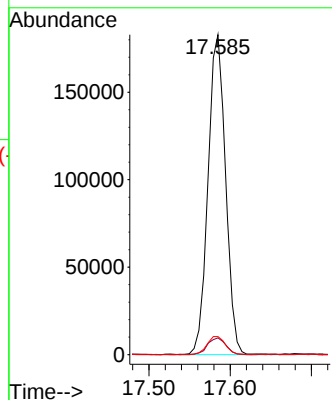
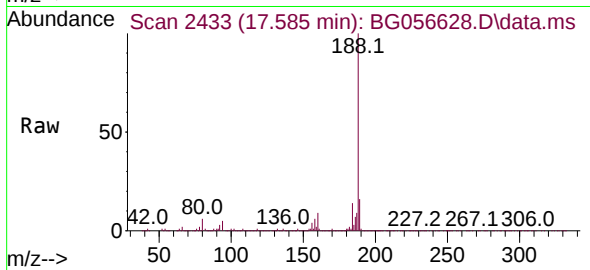
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.585 min Scan# 2443
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Instrument :
BNA_G
ClientSampleId :
JPP-51B-020823DL

Tgt Ion:188 Resp: 275062
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 5.6 5.0 7.4

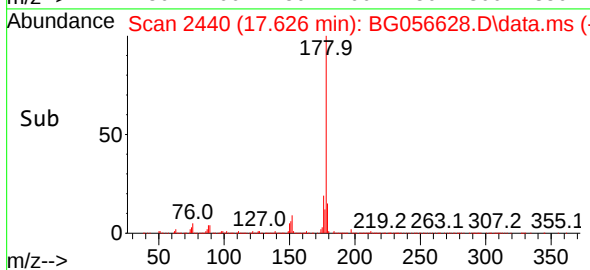
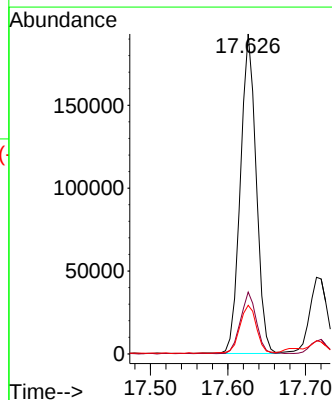
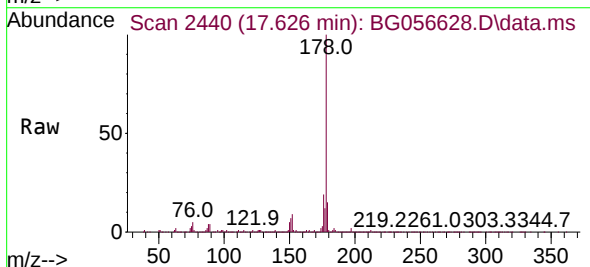
Manual Integrations
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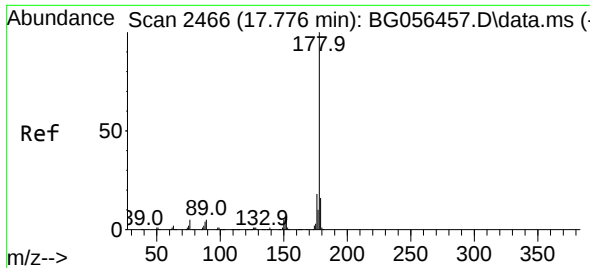
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#71
Phenanthrene
Concen: 18.991 ng
RT: 17.626 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

Tgt Ion:178 Resp: 273400
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.2 13.3 19.9





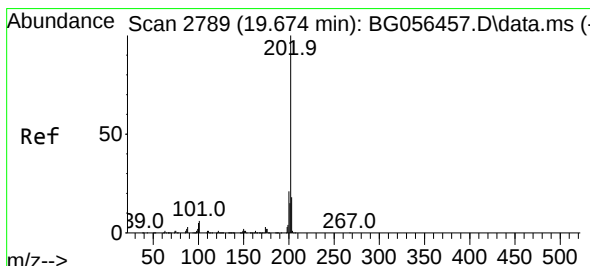
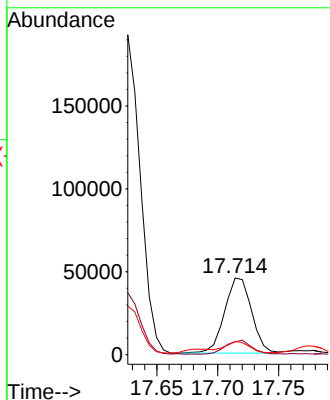
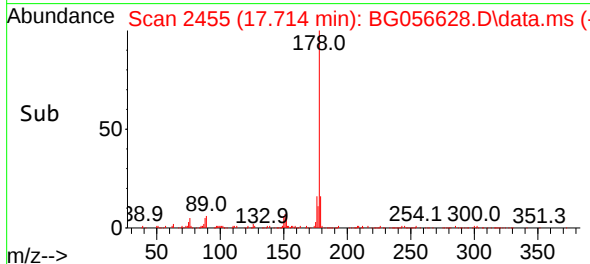
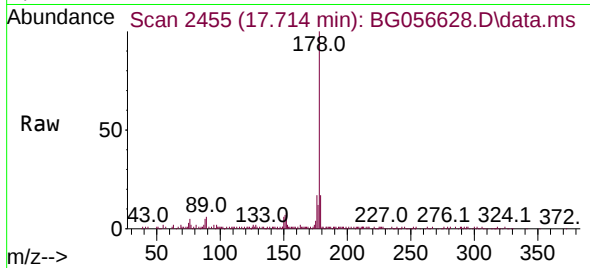
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 Anthracene
 Concen: 4.708 ng
 RT: 17.714 min Scan# 2466
 Delta R.T. 0.000 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50

Instrument :
 BNA_G
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 JPP-51B-020823DL

Tgt Ion:178 Resp: 69581
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.5 21.7
 179 17.3 12.5 18.7

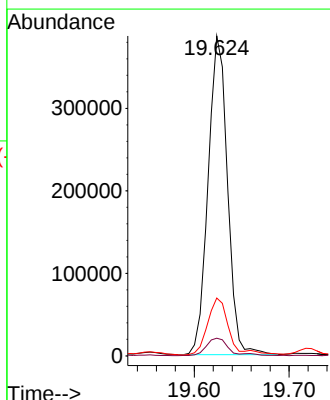
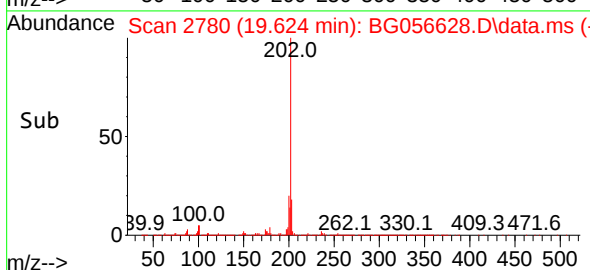
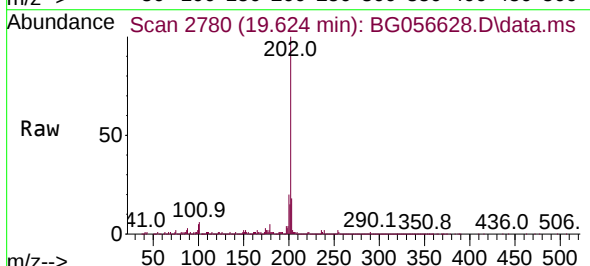
Manual Integrations
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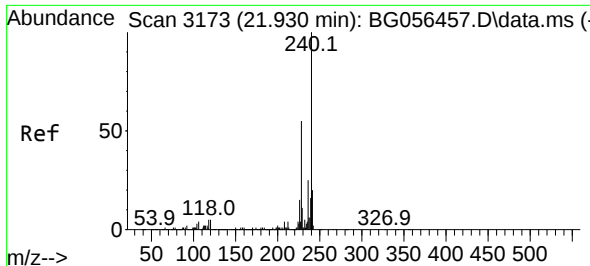
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023



#75
 Fluoranthene
 Concen: 30.248 ng
 RT: 19.624 min Scan# 2780
 Delta R.T. 0.000 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50

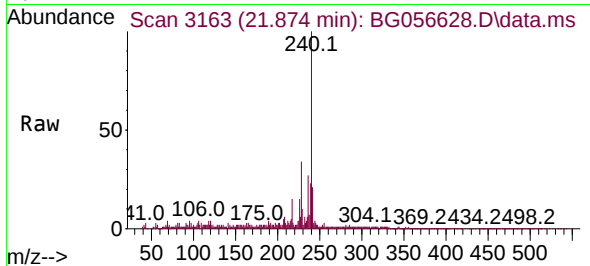
Tgt Ion:202 Resp: 549614
 Ion Ratio Lower Upper
 202 100
 101 5.5 0.0 25.6
 203 18.1 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.874 min Scan# 3173
Delta R.T. 0.012 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

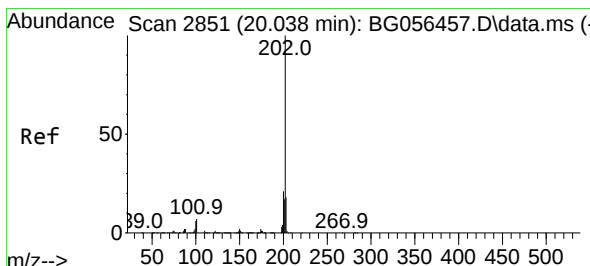
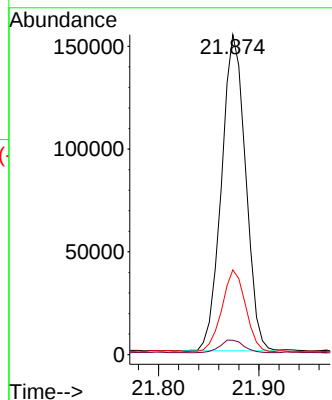
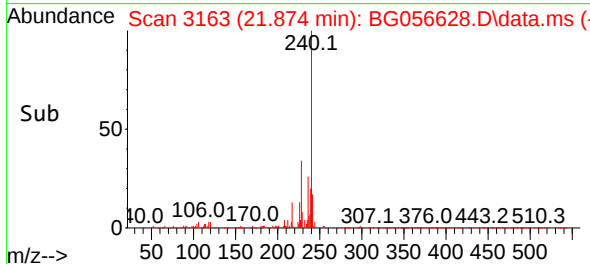
Instrument :
BNA_G
ClientSampleId :
JPP-51B-020823DL



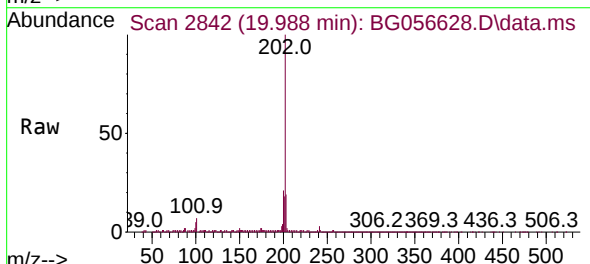
Tgt Ion:240 Resp: 256873
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 26.5 20.2 30.2

Manual Integrations
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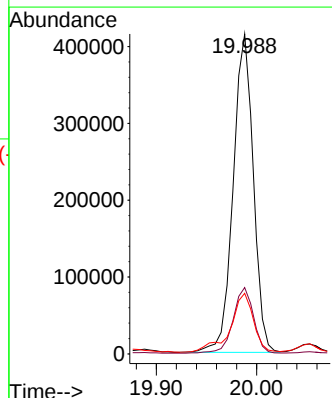
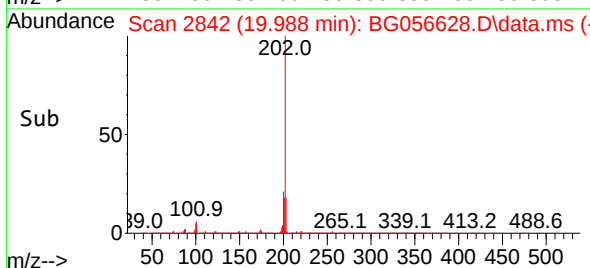
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023

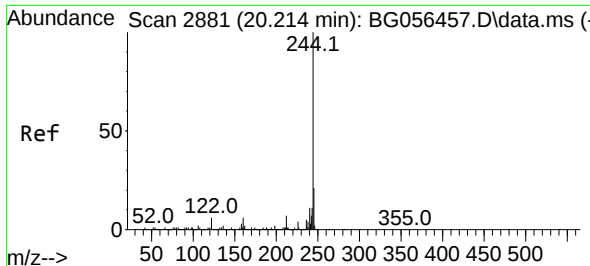


#78
Pyrene
Concen: 31.595 ng
RT: 19.988 min Scan# 2842
Delta R.T. 0.006 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50



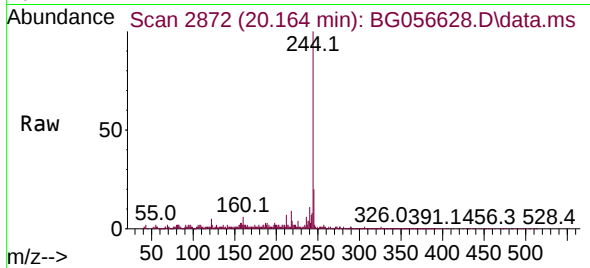
Tgt Ion:202 Resp: 577213
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 18.9 14.4 21.6





#79
 Terphenyl-d14
 Concen: 19.992 ng
 RT: 20.164 min Scan# 2881
 Delta R.T. 0.006 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50

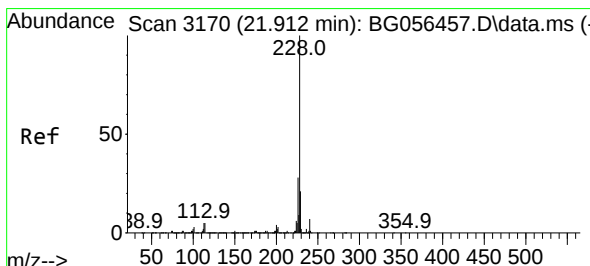
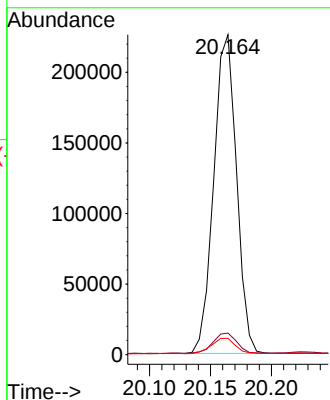
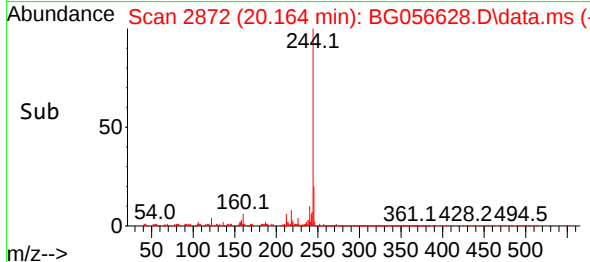
Instrument :
 BNA_G
 ClientSampleId :
 JPP-51B-020823DL



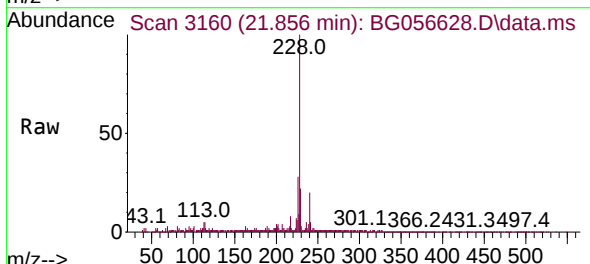
Tgt Ion:244 Resp: 292389
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 5.1 4.4 6.6

Manual Integrations
 APPROVED

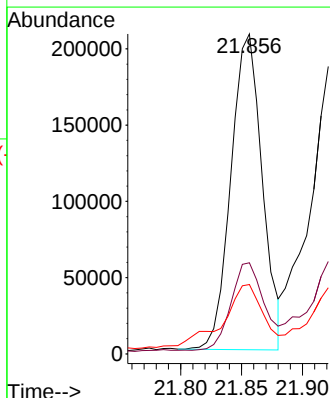
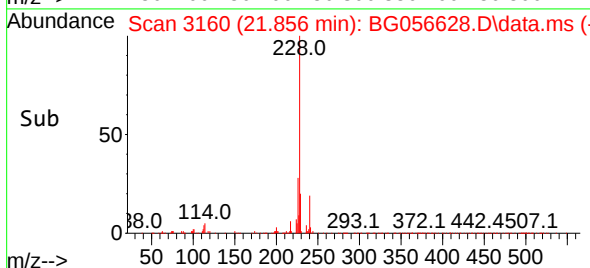
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023

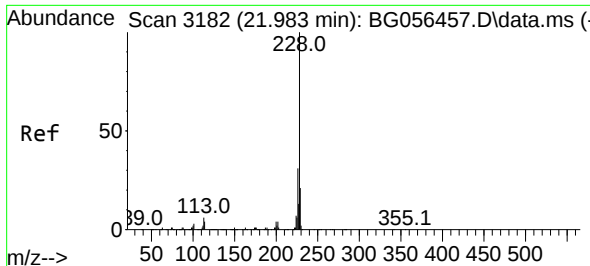


#81
 Benzo(a)anthracene
 Concen: 20.663 ng
 RT: 21.856 min Scan# 3160
 Delta R.T. 0.018 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50



Tgt Ion:228 Resp: 371068
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.4 33.6
 229 21.7 16.5 24.7





#83

Chrysene

Concen: 22.462 ng

RT: 21.921 min Scan# 31

Delta R.T. 0.012 min

Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

Instrument :

BNA_G

ClientSampleId :

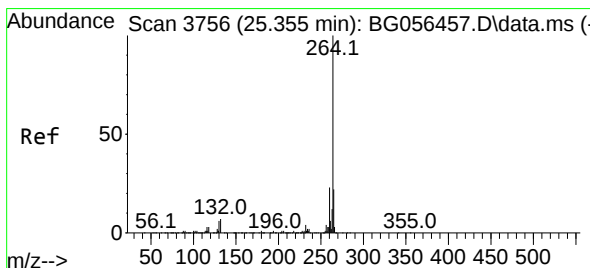
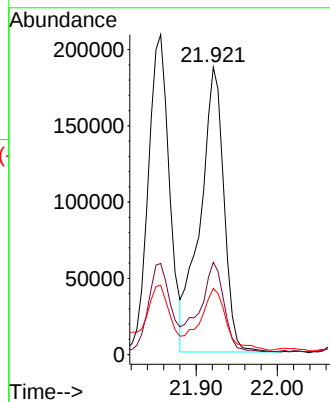
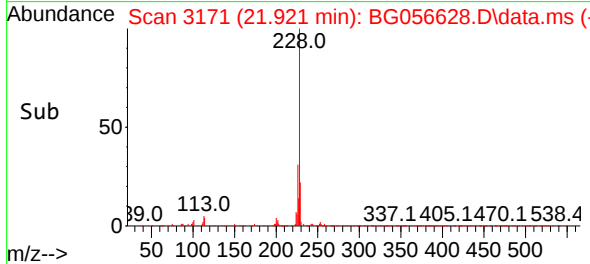
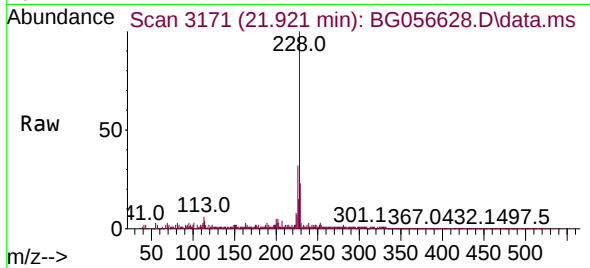
JPP-51B-020823DL

Tgt Ion:	228	Resp:	378966
Ion Ratio	Lower	Upper	
228	100		
226	32.1	25.0	37.4
229	23.0	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#86

Perylene-d12

Concen: 20.000 ng

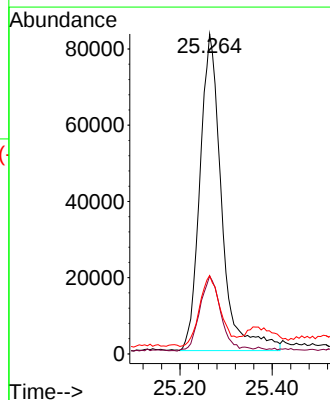
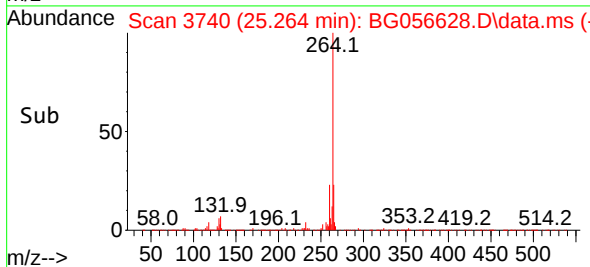
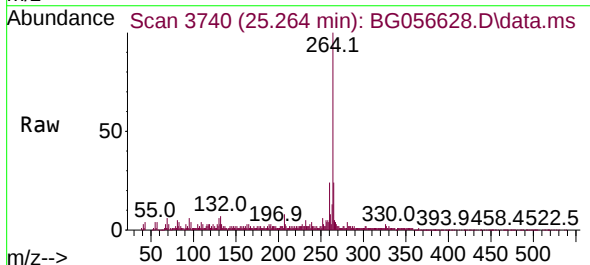
RT: 25.264 min Scan# 3740

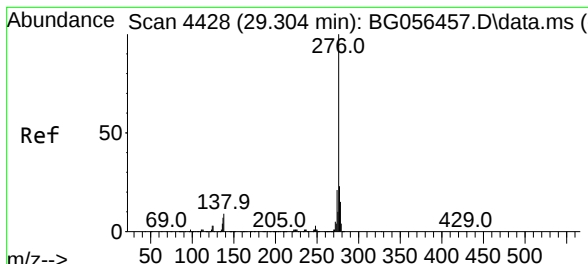
Delta R.T. 0.030 min

Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

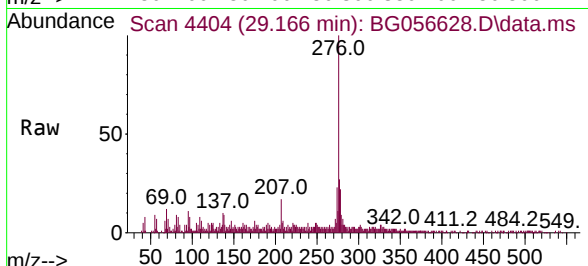
Tgt Ion:	264	Resp:	270367
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.2	27.4
265	24.5	18.1	27.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.786 ng
 RT: 29.166 min Scan# 4428
 Delta R.T. 0.036 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50

Instrument :
 BNA_G
 ClientSampleId :
 JPP-51B-020823DL

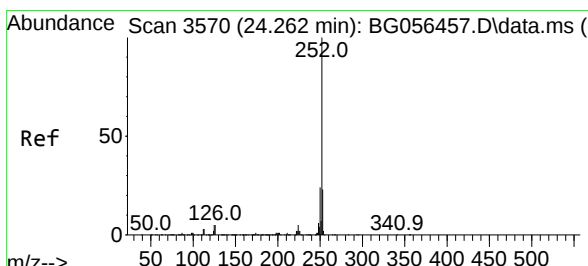
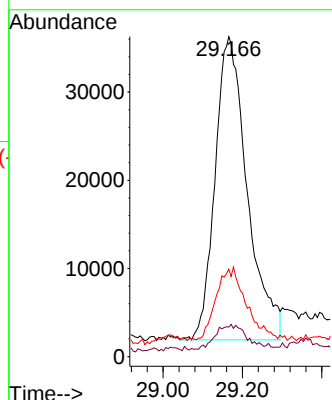
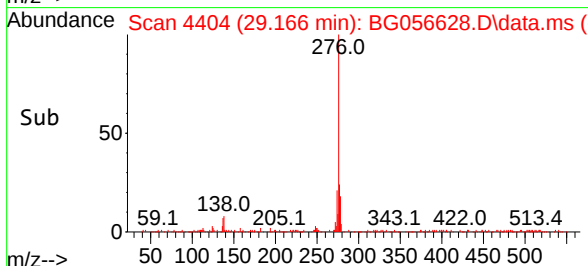


Tgt Ion: 276 Resp: 193676

Ion	Ratio	Lower	Upper
276	100		
138	7.6	9.4	14.2
277	22.2	20.3	30.5

Manual Integrations
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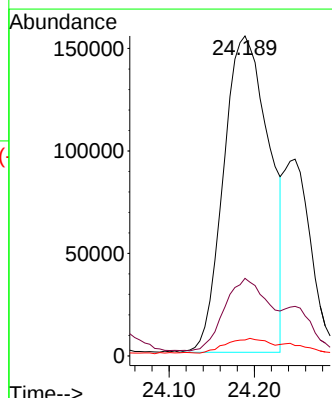
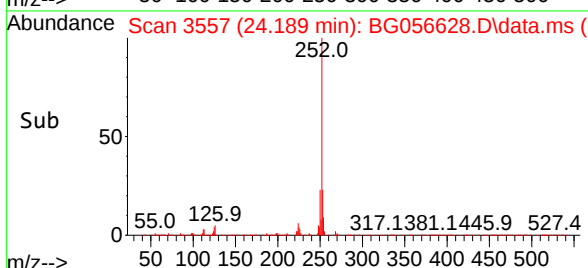
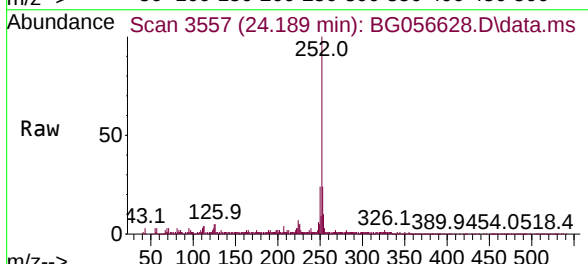
Reviewed By : Christian Giraldo 02/14/2023
 Supervised By : Jagrut Upadhyay 02/14/2023

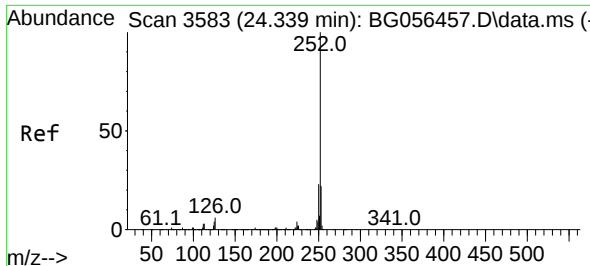


#88
 Benzo(b)fluoranthene
 Concen: 34.296 ng
 RT: 24.189 min Scan# 3557
 Delta R.T. 0.030 min
 Lab File: BG056628.D
 Acq: 13 Feb 2023 20:50

Tgt Ion: 252 Resp: 575535

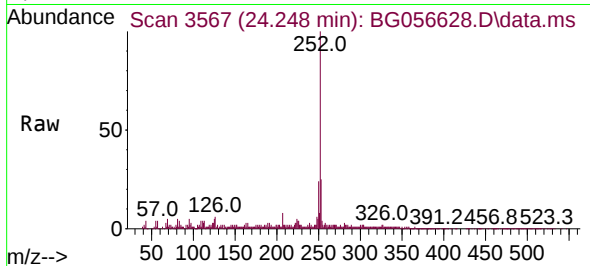
Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	5.0	3.9	5.9





#89
Benzo(k)fluoranthene
Concen: 12.558 ng m
RT: 24.248 min Scan# 3583
Delta R.T. 0.018 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50

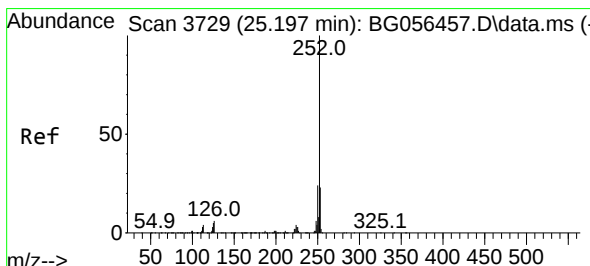
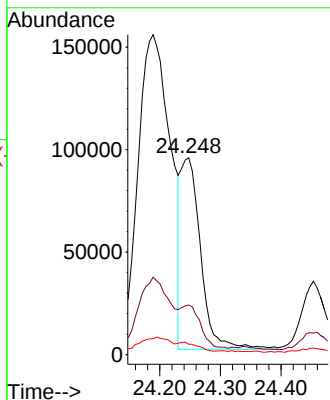
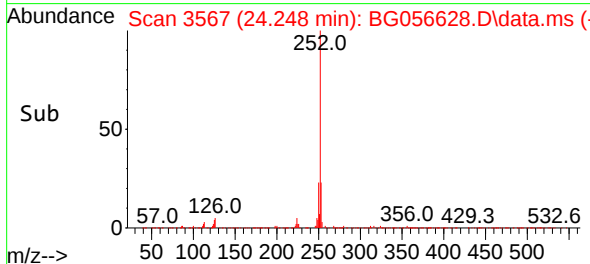
Instrument :
BNA_G
ClientSampleId :
JPP-51B-020823DL



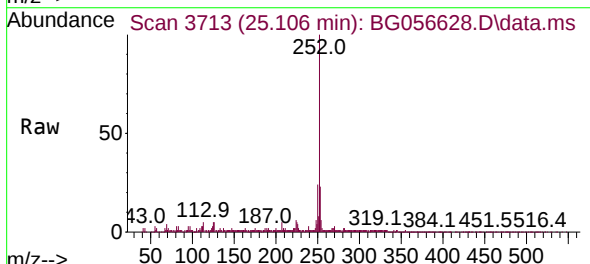
Tgt Ion:252 Resp: 212776
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 5.2 3.4 5.0

Manual Integrations
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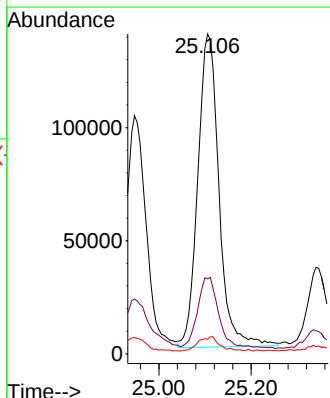
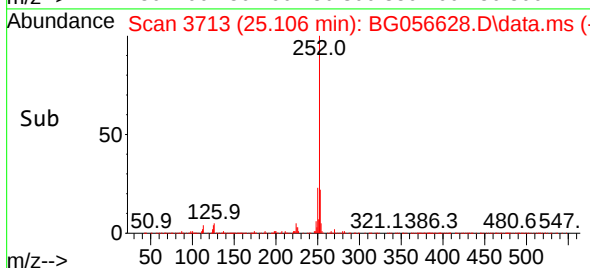
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023

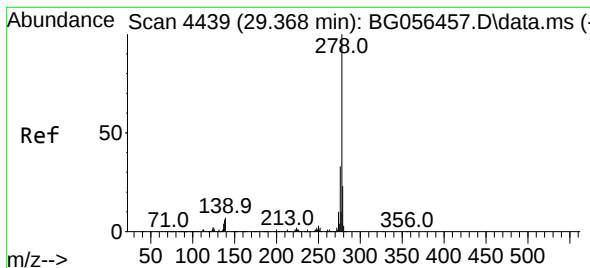


#90
Benzo(a)pyrene
Concen: 26.651 ng
RT: 25.106 min Scan# 3713
Delta R.T. 0.024 min
Lab File: BG056628.D
Acq: 13 Feb 2023 20:50



Tgt Ion:252 Resp: 440566
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 4.7 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 3.494 ng m

RT: 29.213 min Scan# 4439

Delta R.T. 0.030 min

Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

Instrument :

BNA_G

ClientSampleId :

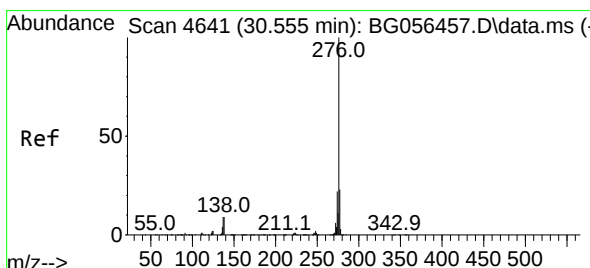
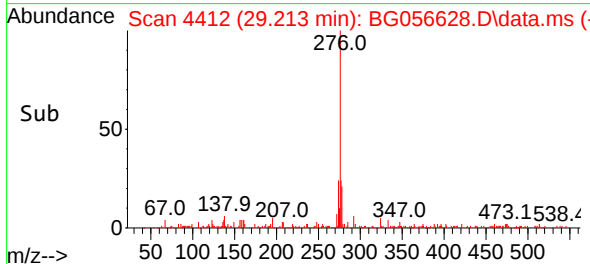
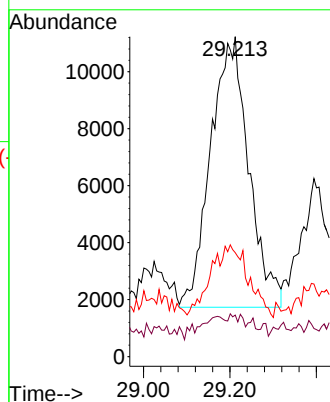
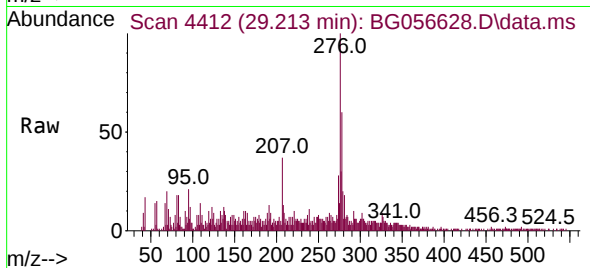
JPP-51B-020823DL

Tgt Ion:	278	Resp:	58049
Ion Ratio	Lower	Upper	
278	100		
139	13.0	5.5	8.3
279	32.5	18.8	28.2

Manual Integrations

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Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#92

Benzo(g,h,i)perylene

Concen: 10.442 ng

RT: 30.388 min Scan# 4612

Delta R.T. 0.036 min

Lab File: BG056628.D

Acq: 13 Feb 2023 20:50

Tgt Ion:	276	Resp:	167386
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.5	27.7
138	11.1	7.4	11.0

