

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
 Data File : BG057004.D
 Acq On : 6 Apr 2023 00:07
 Operator : CG/JU
 Sample : 02126-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-E

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/06/2023
 Supervised By : Jagrut Upadhyay 04/06/2023

Quant Time: Apr 06 02:06:27 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 06 01:57:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.413	152	18226	20.000	ng	0.00
21) Naphthalene-d8	11.256	136	77652	20.000	ng	0.00
39) Acenaphthene-d10	15.028	164	53662	20.000	ng	0.00
64) Phenanthrene-d10	17.765	188	115993	20.000	ng	0.00
76) Chrysene-d12	22.089	240	95937	20.000	ng	0.00
86) Perylene-d12	25.649	264	102784	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.922	112	19962	17.529	ng	0.00
7) Phenol-d6	7.538	99	29026	17.042	ng	0.00
23) Nitrobenzene-d5	9.588	82	18794	9.903	ng	0.00
42) 2,4,6-Tribromophenol	16.508	330	12959	15.117	ng	0.00
45) 2-Fluorobiphenyl	13.653	172	43581	11.013	ng	0.00
79) Terphenyl-d14	20.332	244	62481	11.021	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.806	178	32871	5.558	ng	97
75) Fluoranthene	19.798	202	96452	12.866	ng	96
78) Pyrene	20.156	202	100024	15.074	ng	97
81) Benzo(a)anthracene	22.065	228	57741	8.697	ng	95
83) Chrysene	22.142	228	58582m	9.424	ng	
87) Indeno(1,2,3-cd)pyrene	29.743	276	35875	4.723	ng	# 56
88) Benzo(b)fluoranthene	24.503	252	96192	14.966	ng	97
89) Benzo(k)fluoranthene	24.568	252	32598m	5.080	ng	
90) Benzo(a)pyrene	25.472	252	70347	11.138	ng	# 91
92) Benzo(g,h,i)perylene	31.030	276	37950m	6.207	ng	

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

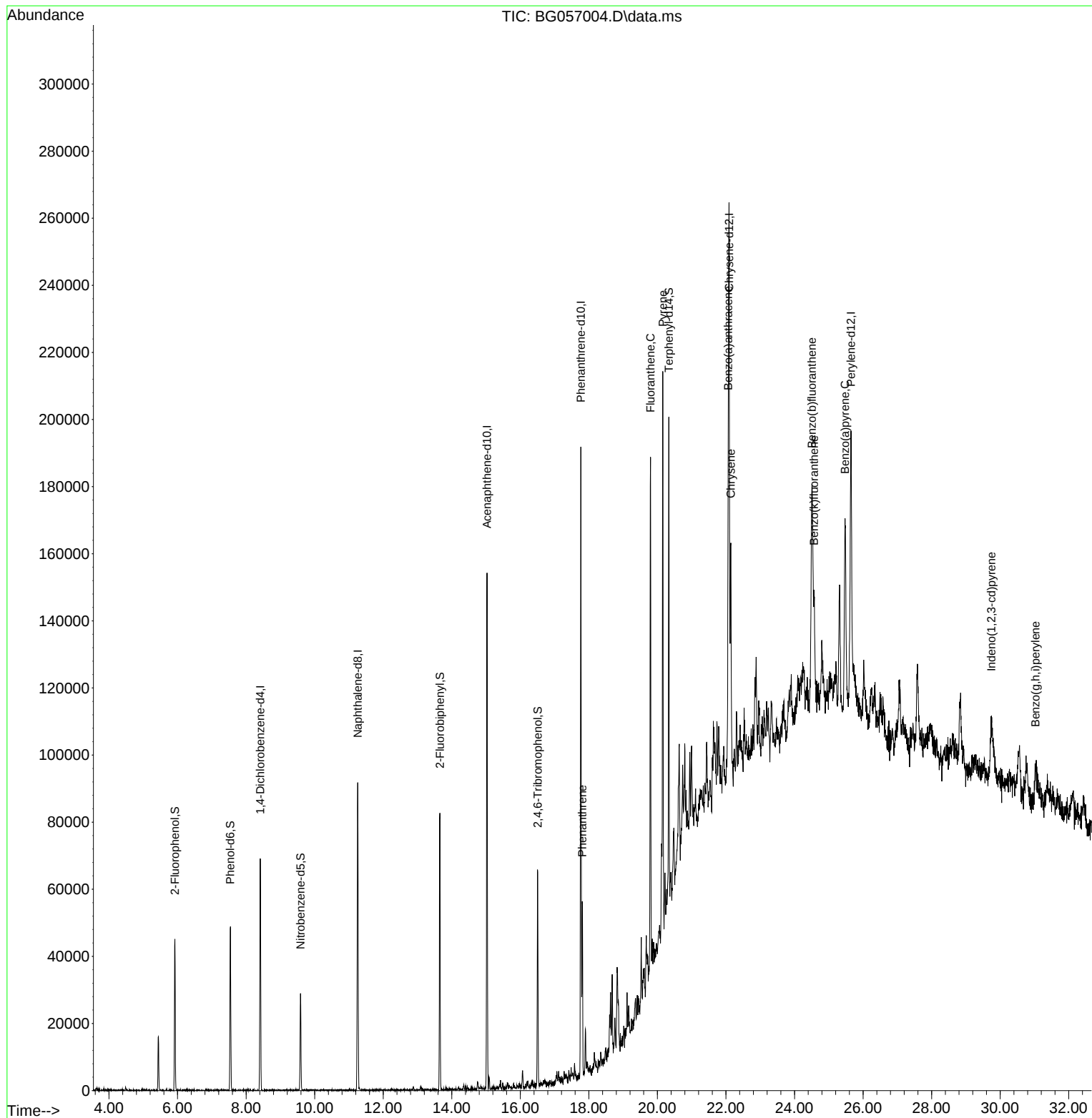
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057004.D
Acq On : 6 Apr 2023 00:07
Operator : CG/JU
Sample : 02126-05 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

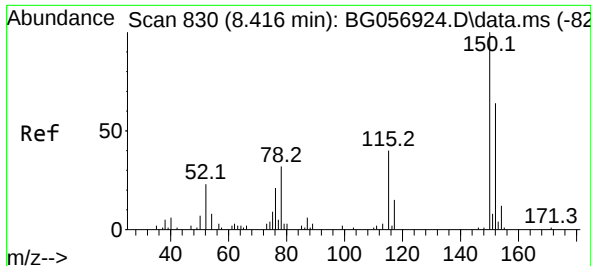
Instrument :
BNA_G
ClientSampleId :
RS-E

Quant Time: Apr 06 02:06:27 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 06 01:57:04 2023
Response via : Initial Calibration

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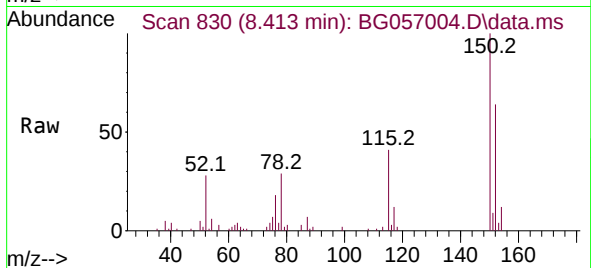
Reviewed By : Christian Giraldo 04/06/2023
Supervised By : Jagrut Upadhyay 04/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.413 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

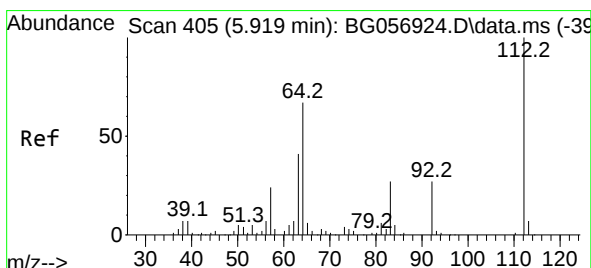
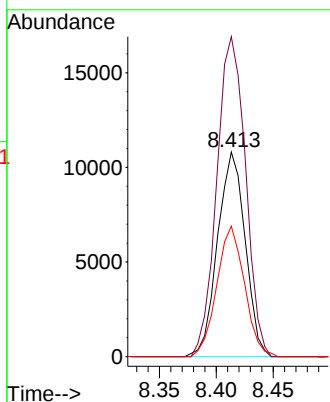
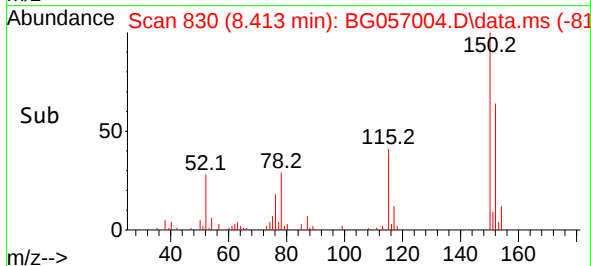
Instrument :
BNA_G
ClientSampleId :
RS-E



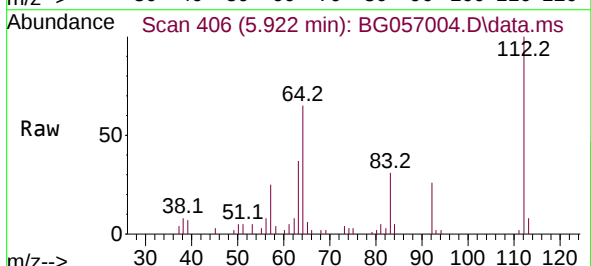
Tgt Ion:152 Resp: 18226
Ion Ratio Lower Upper
152 100
150 156.4 124.1 186.1
115 63.8 49.1 73.7

Manual Integrations
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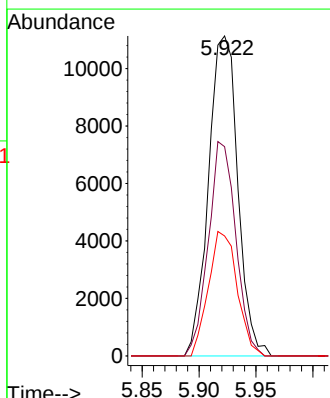
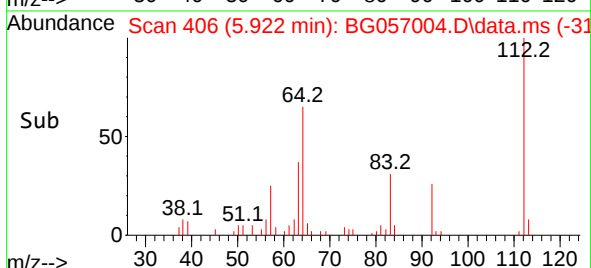
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023

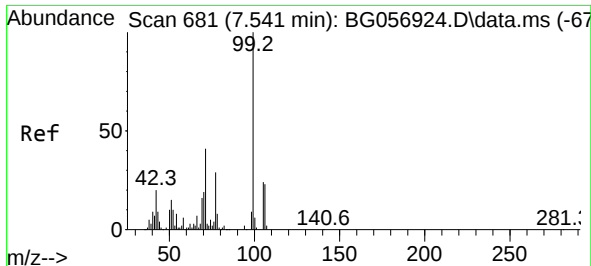


#5
2-Fluorophenol
Concen: 17.529 ng
RT: 5.922 min Scan# 406
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07



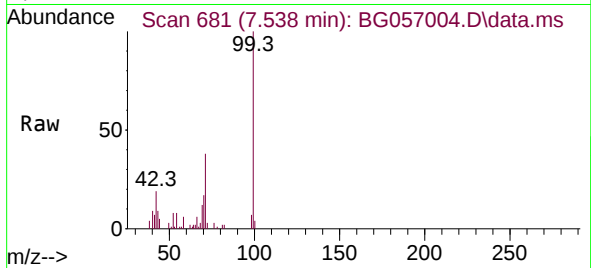
Tgt Ion:112 Resp: 19962
Ion Ratio Lower Upper
112 100
64 65.4 53.2 79.8
63 37.5 32.6 48.8





#7
Phenol-d6
Concen: 17.042 ng
RT: 7.538 min Scan# 681
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

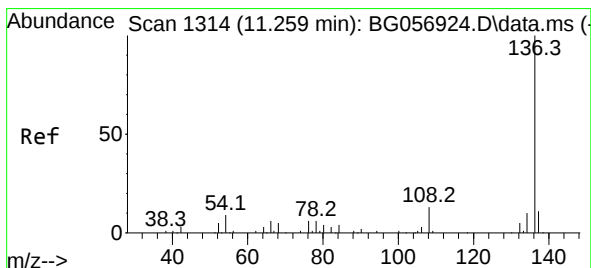
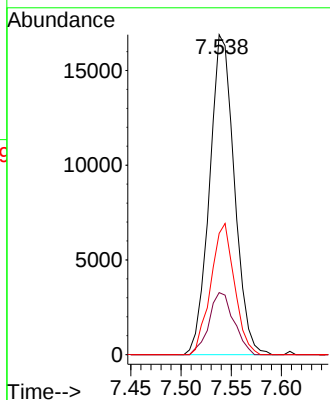
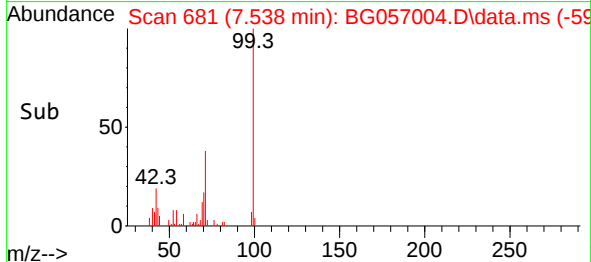
Instrument :
BNA_G
ClientSampleId :
RS-E



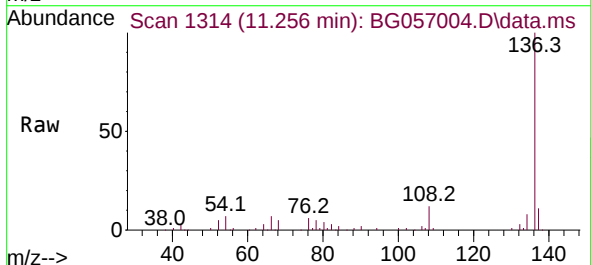
Tgt Ion: 99 Resp: 29026
Ion Ratio Lower Upper
99 100
42 19.4 15.7 23.5
71 37.9 32.5 48.7

Manual Integrations
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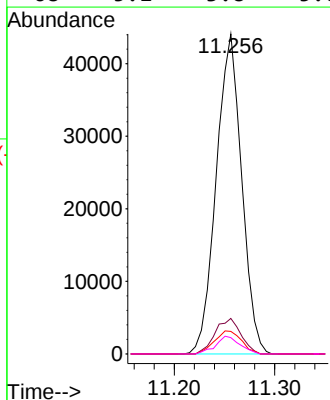
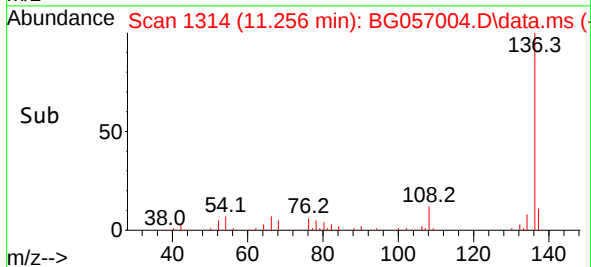
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.256 min Scan# 1314
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07



Tgt Ion:136 Resp: 77652
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.0 6.9 10.3
68 5.1 3.8 5.6





#23

Nitrobenzene-d5

Concen: 9.903 ng

RT: 9.588 min Scan# 1030

Delta R.T. -0.007 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

Instrument :

BNA_G

ClientSampleId :

RS-E

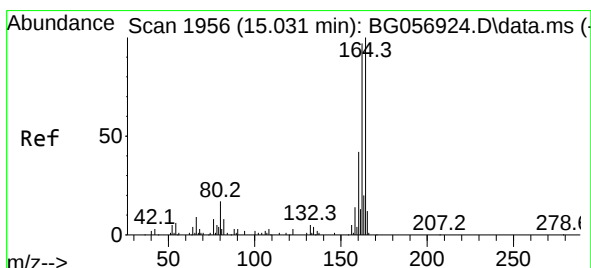
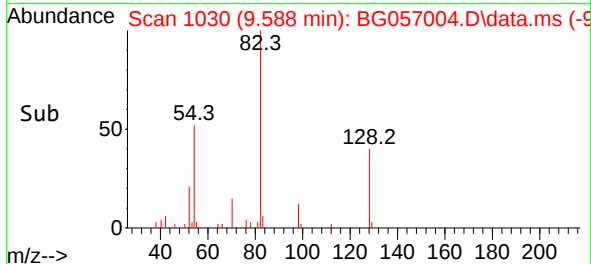
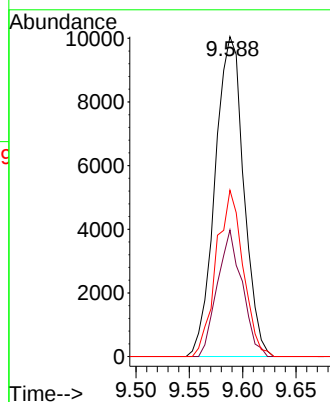
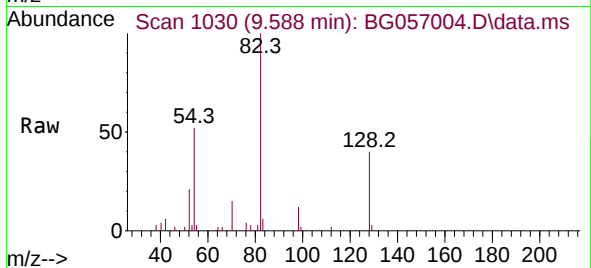
Tgt Ion:	82	Resp:	18794
Ion	Ratio	Lower	Upper
82	100		
128	39.6	27.9	41.9
54	52.0	39.4	59.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

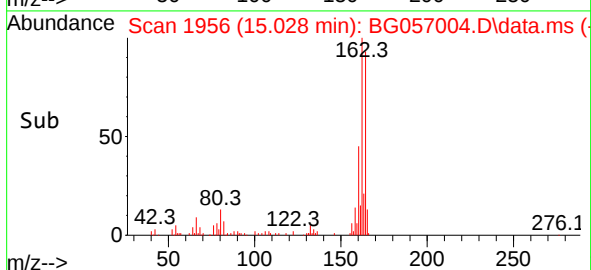
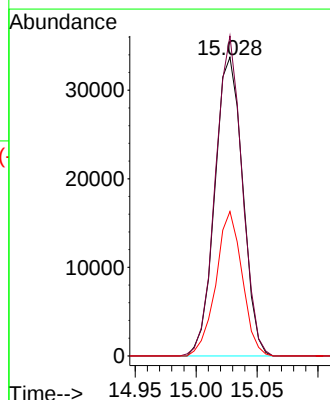
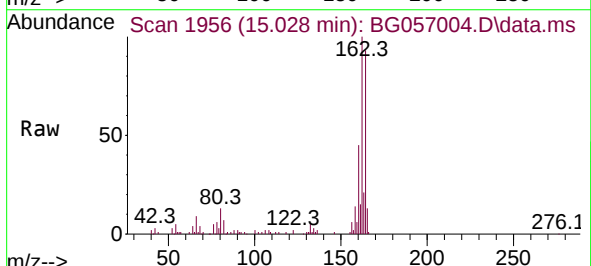
RT: 15.028 min Scan# 1956

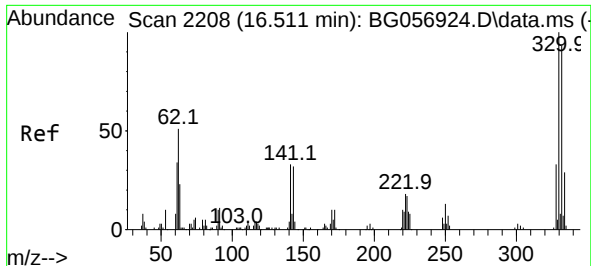
Delta R.T. -0.007 min

Lab File: BG057004.D

Acq: 6 Apr 2023 00:07

Tgt Ion:	164	Resp:	53662
Ion	Ratio	Lower	Upper
164	100		
162	107.2	77.8	116.8
160	48.4	33.5	50.3





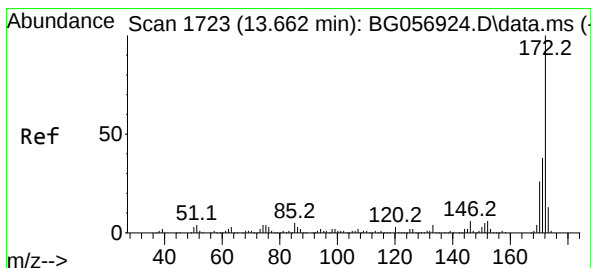
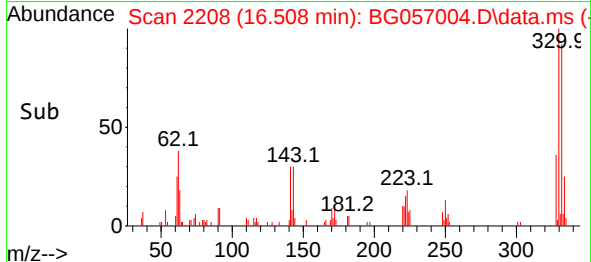
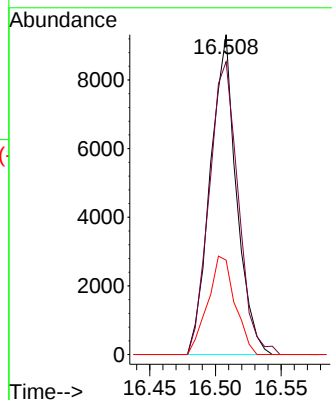
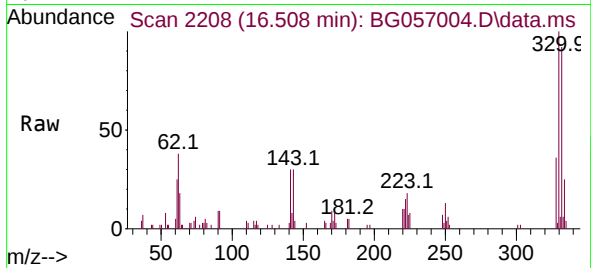
#42
2,4,6-Tribromophenol
Concen: 15.117 ng
RT: 16.508 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

Instrument :
BNA_G
ClientSampleId :
RS-E

Tgt Ion: 330 Resp: 12959
Ion Ratio Lower Upper
330 100
332 101.0 76.1 114.1
141 32.0 25.8 38.6

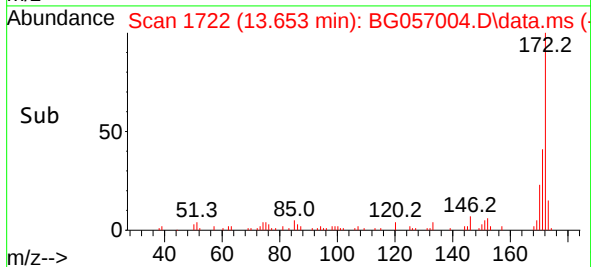
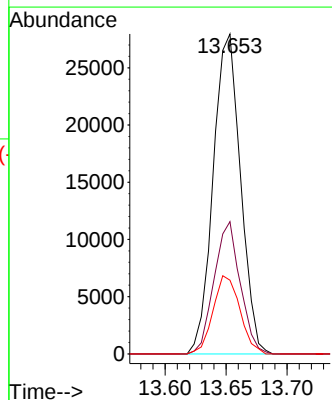
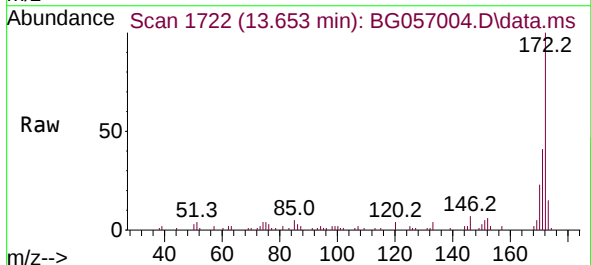
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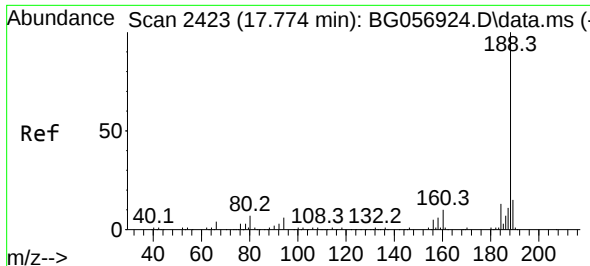
Reviewed By : Christian Giraldo 04/06/2023
Supervised By : Jagrut Upadhyay 04/06/2023



#45
2-Fluorobiphenyl
Concen: 11.013 ng
RT: 13.653 min Scan# 1722
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

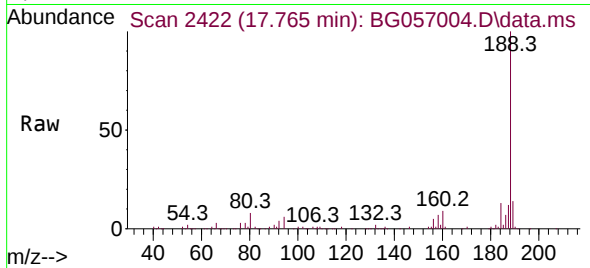
Tgt Ion: 172 Resp: 43581
Ion Ratio Lower Upper
172 100
171 41.3 30.6 46.0
170 23.0 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.765 min Scan# 2422
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

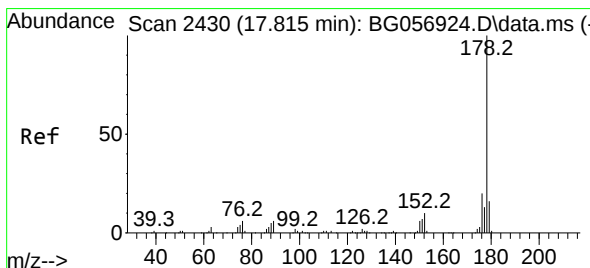
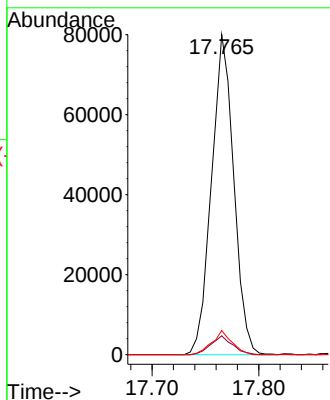
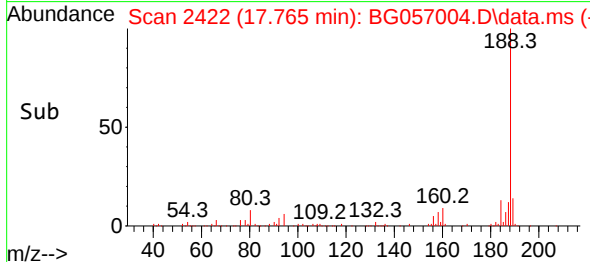
Instrument :
BNA_G
ClientSampleId :
RS-E



Tgt Ion:188 Resp: 115993
Ion Ratio Lower Upper
188 100
94 5.9 4.6 6.8
80 7.5 5.5 8.3

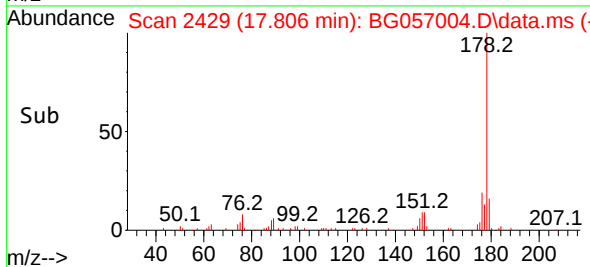
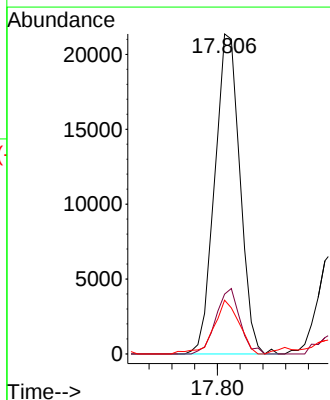
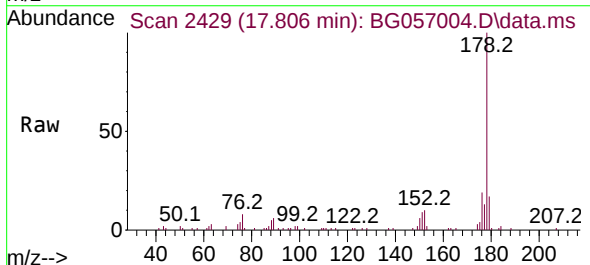
Manual Integrations
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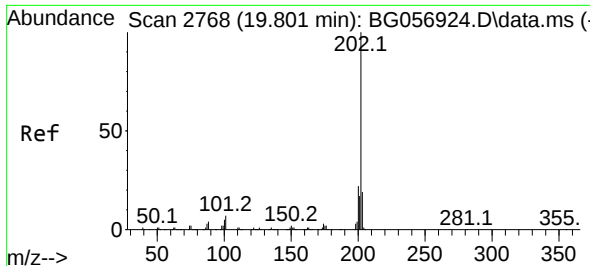
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#71
Phenanthrene
Concen: 5.558 ng
RT: 17.806 min Scan# 2429
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

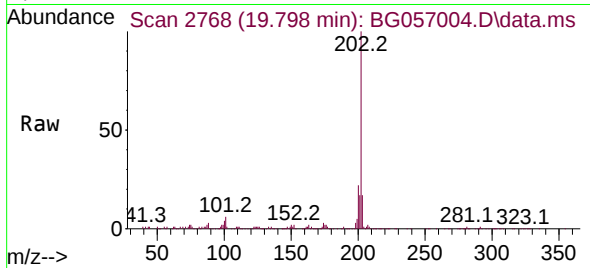
Tgt Ion:178 Resp: 32871
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 16.8 12.5 18.7





#75
Fluoranthene
Concen: 12.866 ng
RT: 19.798 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

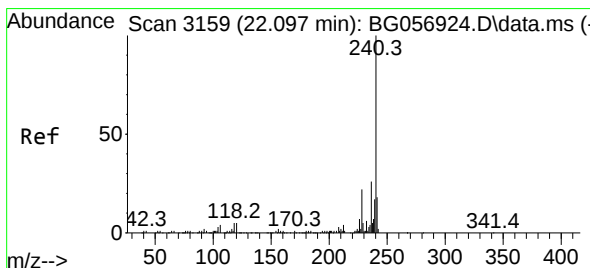
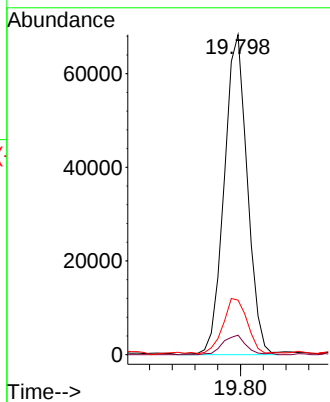
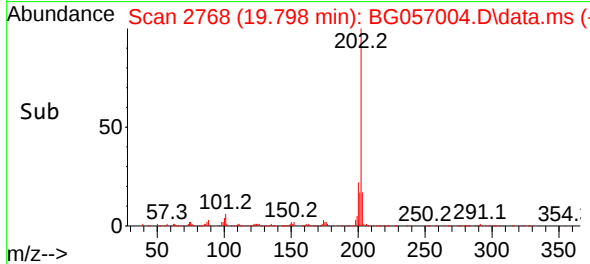
Instrument :
BNA_G
ClientSampleId :
RS-E



Tgt Ion:202 Resp: 96452
Ion Ratio Lower Upper
202 100
101 6.1 0.0 26.7
203 17.0 0.0 39.0

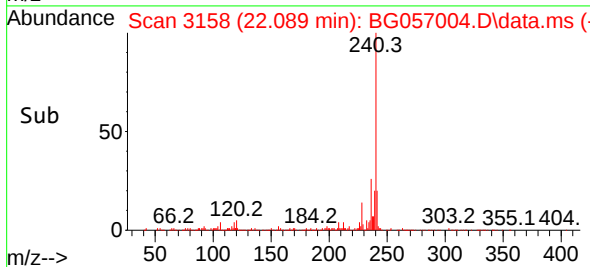
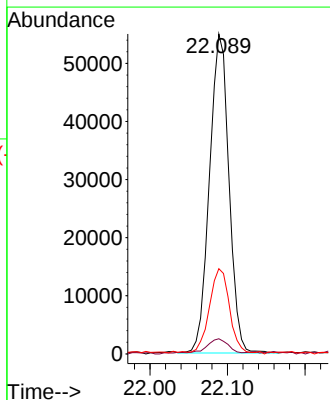
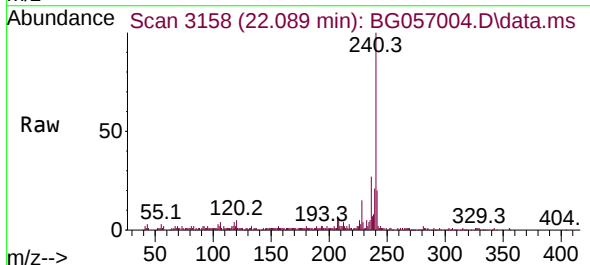
Manual Integrations
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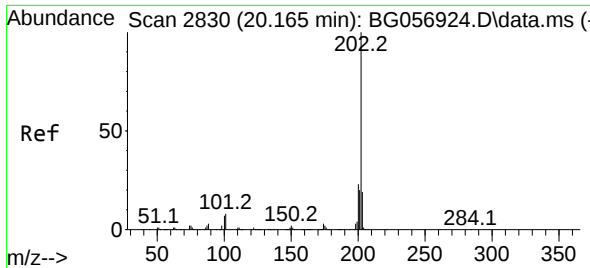
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.089 min Scan# 3158
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

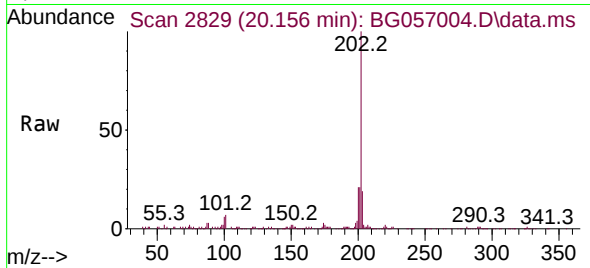
Tgt Ion:240 Resp: 95937
Ion Ratio Lower Upper
240 100
120 4.7 3.8 5.6
236 26.6 21.0 31.6





#78
 Pyrene
 Concen: 15.074 ng
 RT: 20.156 min Scan# 2829
 Delta R.T. -0.001 min
 Lab File: BG057004.D
 Acq: 6 Apr 2023 00:07

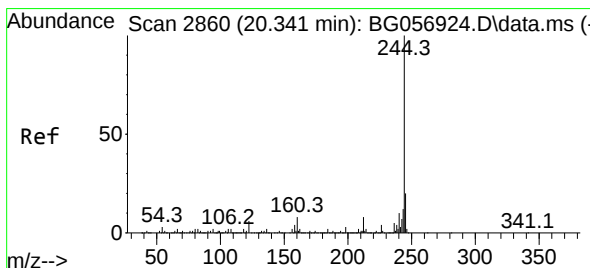
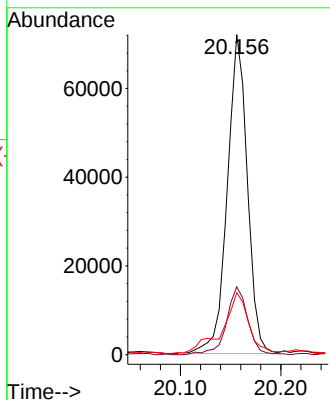
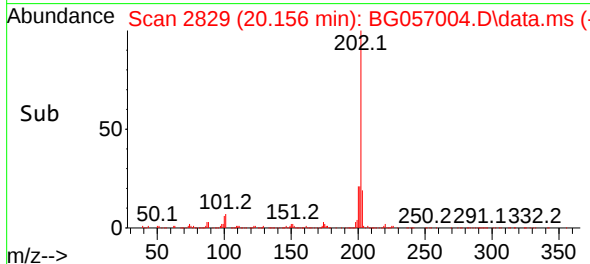
Instrument :
 BNA_G
 ClientSampleId :
 RS-E



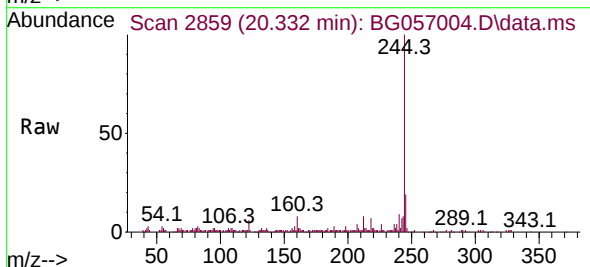
Tgt Ion:202 Resp: 100024
 Ion Ratio Lower Upper
 202 100
 200 21.2 18.7 28.1
 203 19.3 15.4 23.2

Manual Integrations
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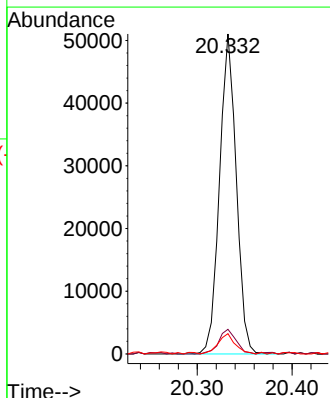
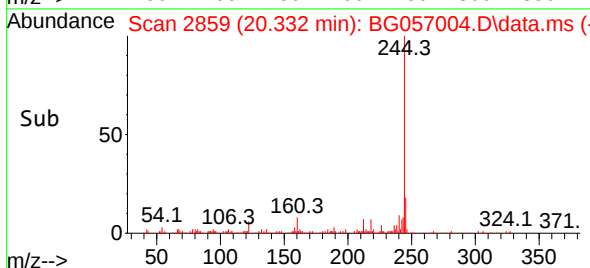
Reviewed By :Christian Giraldo 04/06/2023
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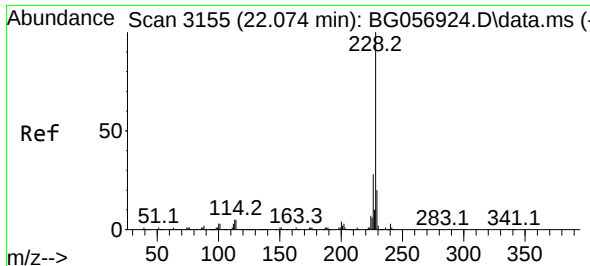


#79
 Terphenyl-d14
 Concen: 11.021 ng
 RT: 20.332 min Scan# 2859
 Delta R.T. -0.006 min
 Lab File: BG057004.D
 Acq: 6 Apr 2023 00:07



Tgt Ion:244 Resp: 62481
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 6.3 5.0 7.4





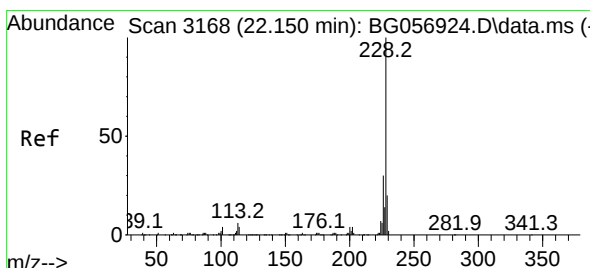
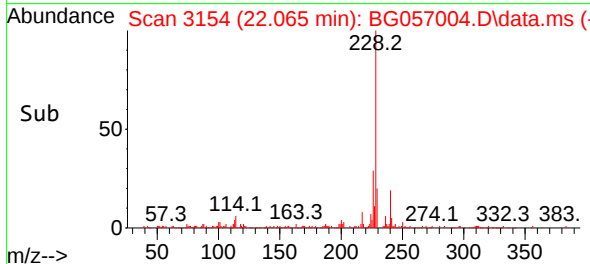
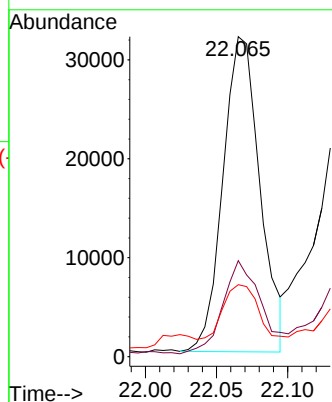
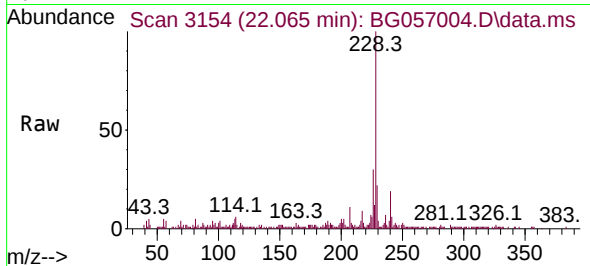
#81
Benzo(a)anthracene
Concen: 8.697 ng
RT: 22.065 min Scan# 3155
Delta R.T. -0.006 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

Instrument :
BNA_G
ClientSampleId :
RS-E

Tgt Ion:228 Resp: 5774
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 22.5 16.1 24.1

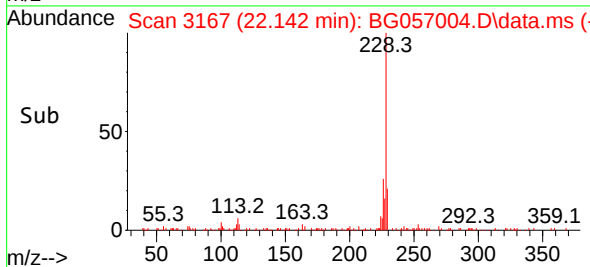
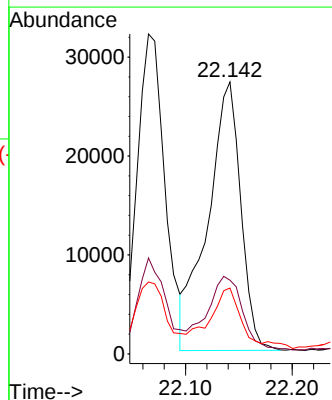
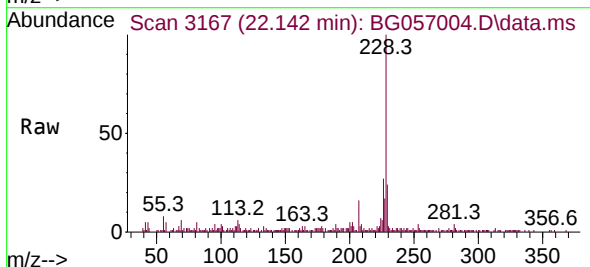
Manual Integrations
APPROVED

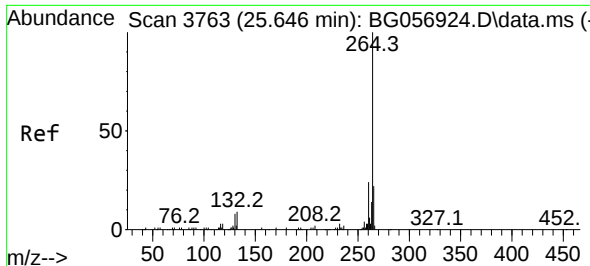
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#83
Chrysene
Concen: 9.424 ng m
RT: 22.142 min Scan# 3167
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

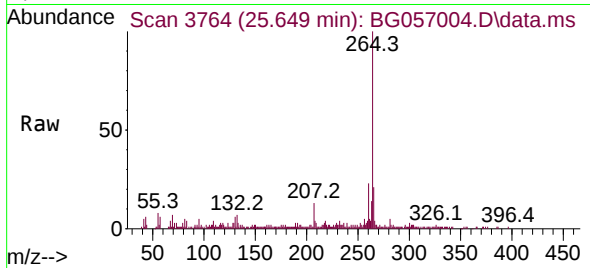
Tgt Ion:228 Resp: 58582
Ion Ratio Lower Upper
228 100
226 27.1 24.1 36.1
229 24.2 15.6 23.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.649 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

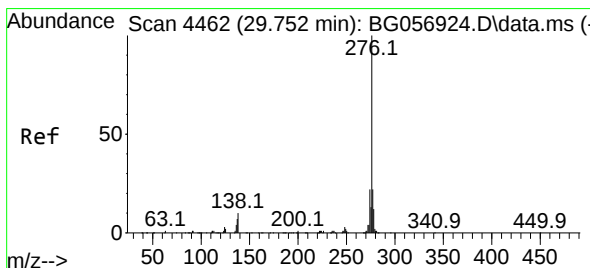
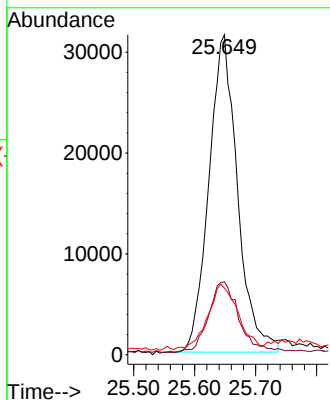
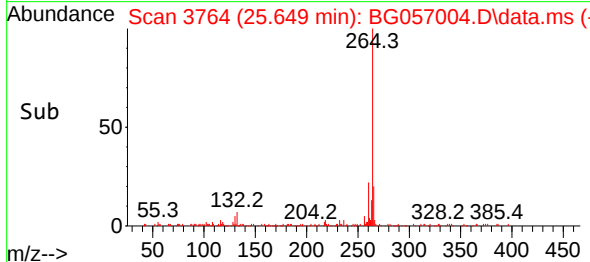
Instrument :
BNA_G
ClientSampleId :
RS-E



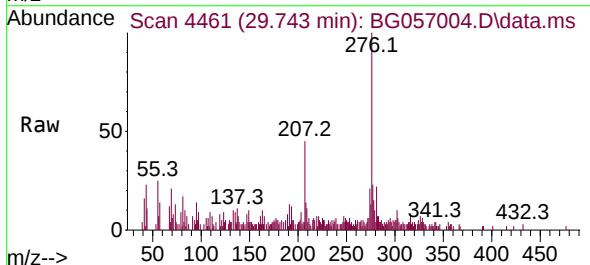
Tgt Ion:264 Resp: 102784
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.4
265 20.8 17.8 26.6

Manual Integrations
APPROVED

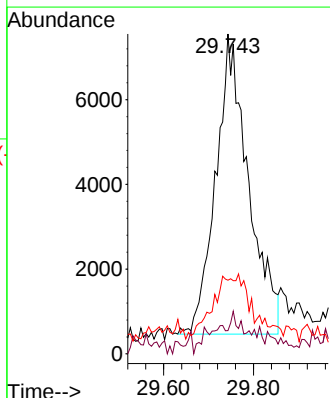
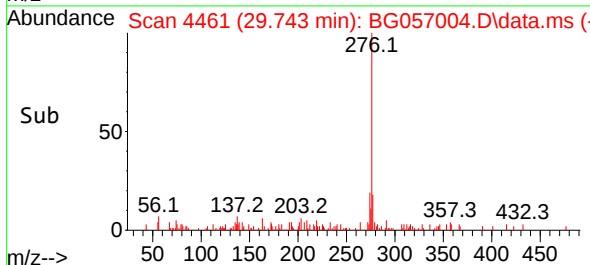
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023

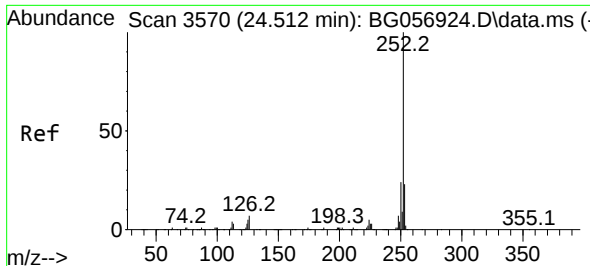


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.723 ng
RT: 29.743 min Scan# 4461
Delta R.T. 0.005 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07



Tgt Ion:276 Resp: 35875
Ion Ratio Lower Upper
276 100
138 1.4 7.7 11.5#
277 0.0 21.0 31.4#





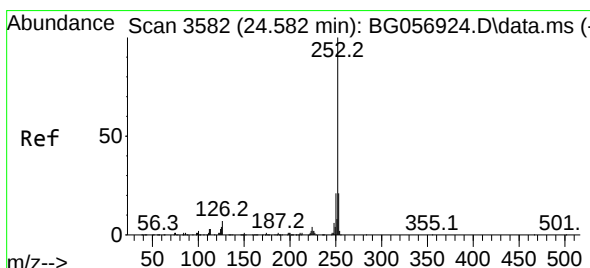
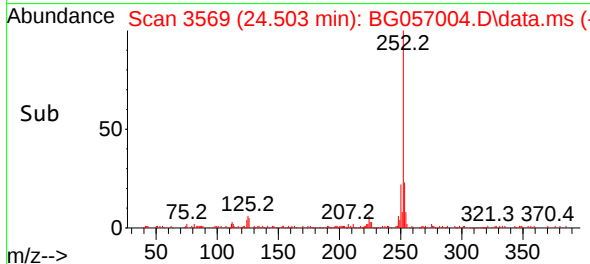
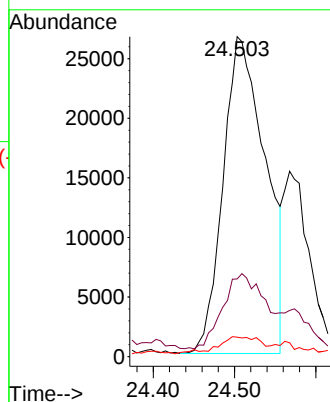
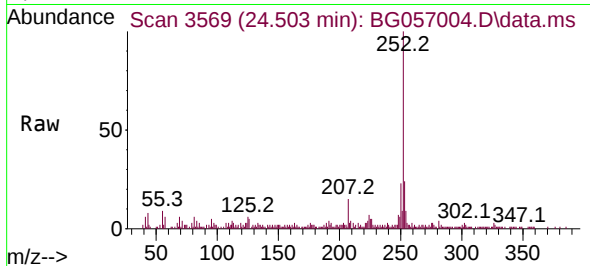
#88
Benzo(b)fluoranthene
Concen: 14.966 ng
RT: 24.503 min Scan# 3569
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

Instrument :
BNA_G
ClientSampleId :
RS-E

Tgt Ion:252 Resp: 96192
Ion Ratio Lower Upper
252 100
253 24.3 18.1 27.1
125 6.1 4.2 6.4

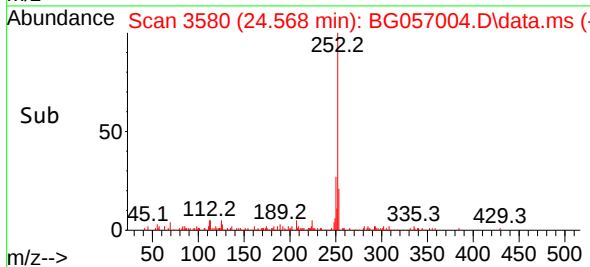
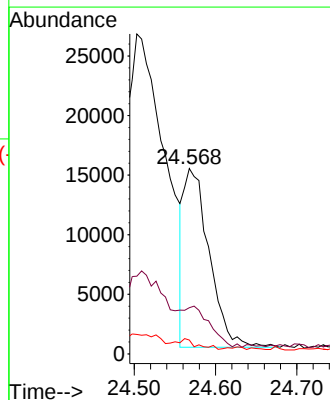
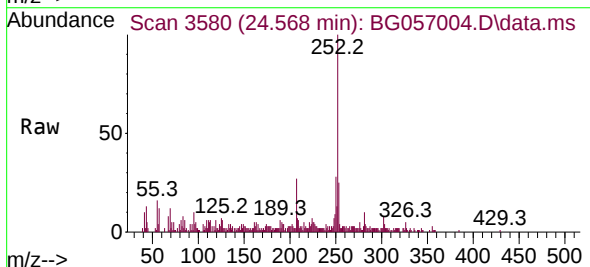
Manual Integrations
APPROVED

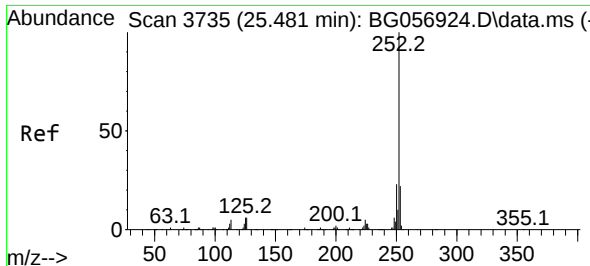
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#89
Benzo(k)fluoranthene
Concen: 5.080 ng m
RT: 24.568 min Scan# 3580
Delta R.T. -0.007 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

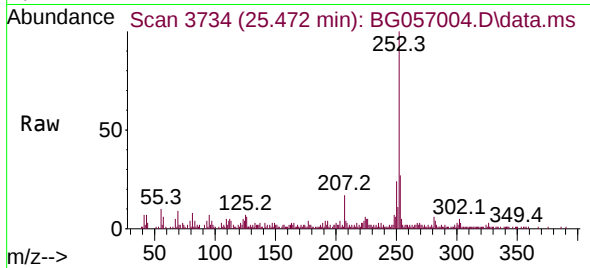
Tgt Ion:252 Resp: 32598
Ion Ratio Lower Upper
252 100
253 24.9 17.1 25.7
125 7.5 3.8 5.6





#90
Benzo(a)pyrene
Concen: 11.138 ng
RT: 25.472 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07

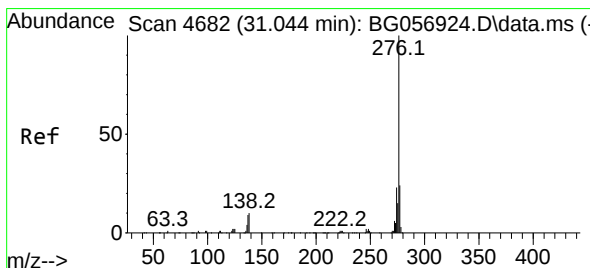
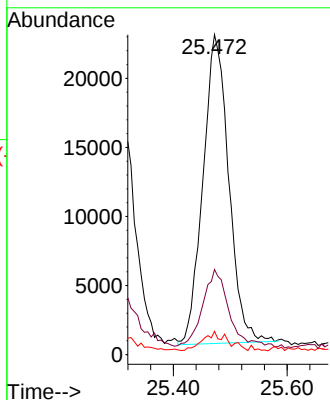
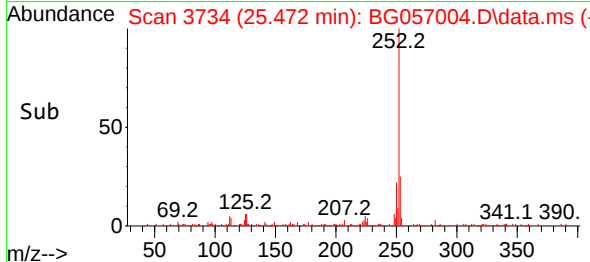
Instrument :
BNA_G
ClientSampleId :
RS-E



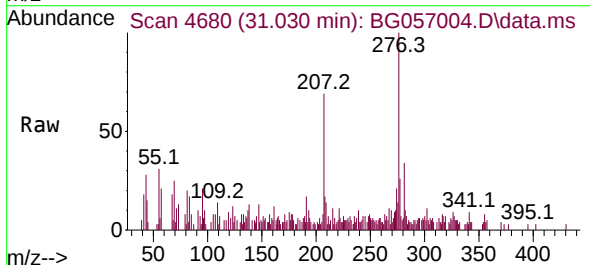
Tgt Ion:252 Resp: 7034
Ion Ratio Lower Upper
252 100
253 26.6 17.6 26.4
125 7.3 4.5 6.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#92
Benzo(g,h,i)perylene
Concen: 6.207 ng m
RT: 31.030 min Scan# 4680
Delta R.T. -0.001 min
Lab File: BG057004.D
Acq: 6 Apr 2023 00:07



Tgt Ion:276 Resp: 37950
Ion Ratio Lower Upper
276 100
277 25.8 19.1 28.7
138 12.8 8.2 12.2

