

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055288.D
 Acq On : 25 Oct 2022 23:31
 Operator : CG/JU
 Sample : N5253-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 164718

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/26/2022
 Supervised By : Jagrut Upadhyay 10/27/2022

Quant Time: Oct 26 14:48:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.271	152	47599	20.000	ng	0.00
21) Naphthalene-d8	11.103	136	204892	20.000	ng	0.00
39) Acenaphthene-d10	14.887	164	135943	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	291859	20.000	ng	0.00
76) Chrysene-d12	21.896	240	267164	20.000	ng	0.00
86) Perylene-d12	25.298	264	287669	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	279578	102.845	ng	0.00
7) Phenol-d6	7.413	99	390776	99.222	ng	0.00
23) Nitrobenzene-d5	9.446	82	234245	58.379	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	151954	102.823	ng	0.00
45) 2-Fluorobiphenyl	13.512	172	332421	40.024	ng	0.00
79) Terphenyl-d14	20.192	244	488737	38.008	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.660	178	83180	5.344	ng	98
72) Anthracene	17.748	178	60857	3.999	ng	99
75) Fluoranthene	19.652	202	266594	14.699	ng	99
78) Pyrene	20.010	202	233167	12.733	ng	98
81) Benzo(a)anthracene	21.872	228	98355	5.482	ng	99
83) Chrysene	21.943	228	114609	6.725	ng	98
87) Indeno(1,2,3-cd)pyrene	29.193	276	58454	2.751	ng	95
88) Benzo(b)fluoranthene	24.205	252	135766	7.846	ng	98
89) Benzo(k)fluoranthene	24.270	252	50443m	2.887	ng	
90) Benzo(a)pyrene	25.133	252	87779	5.915	ng	98
92) Benzo(g,h,i)perylene	30.415	276	56764	3.282	ng	97

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

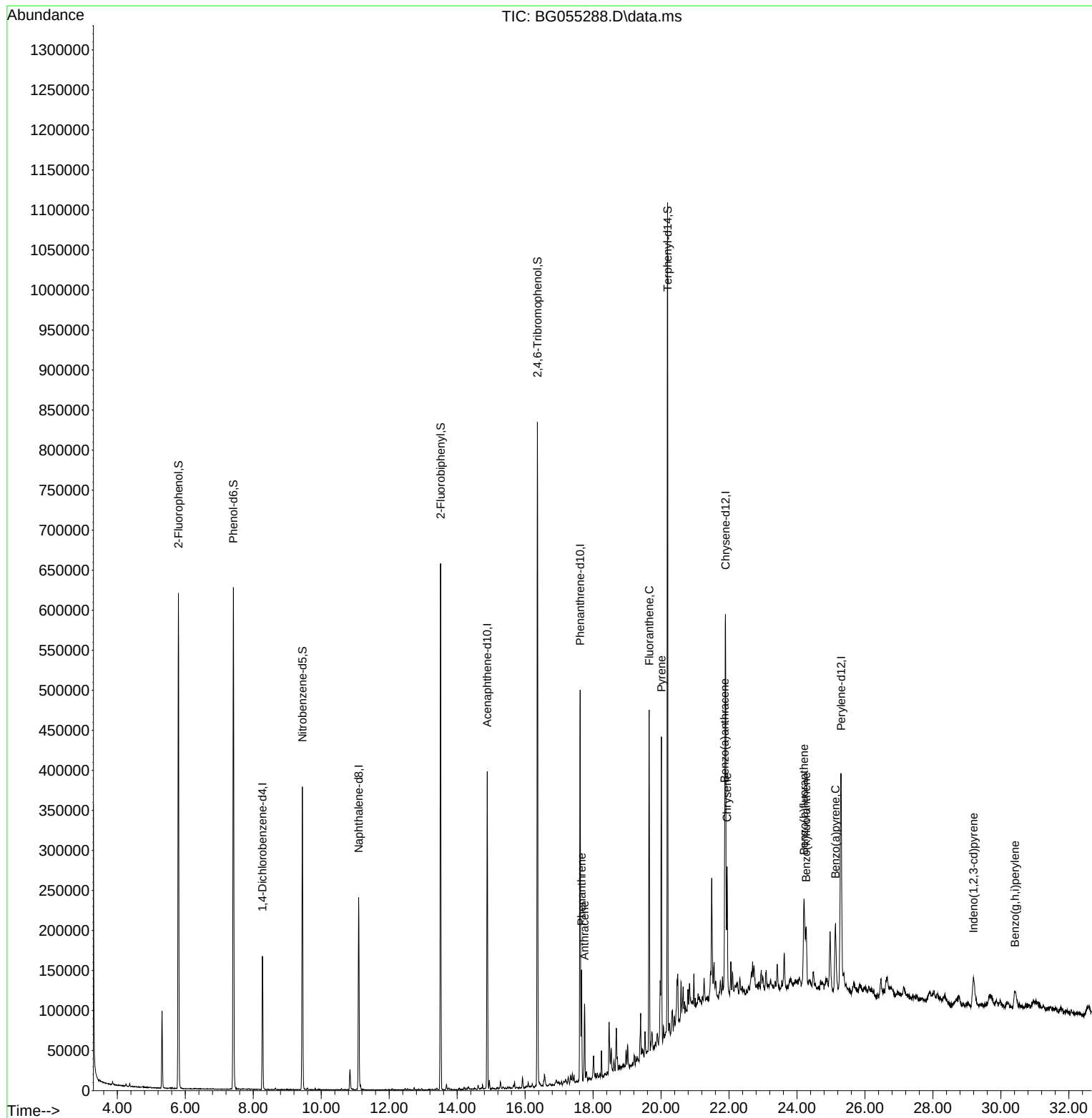
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
Data File : BG055288.D
Acq On : 25 Oct 2022 23:31
Operator : CG/JU
Sample : N5253-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

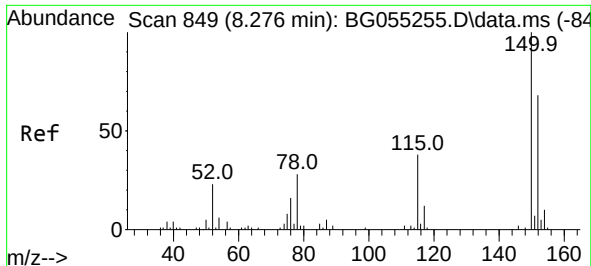
Instrument :
BNA_G
ClientSampleId :
164718

Manual Integrations
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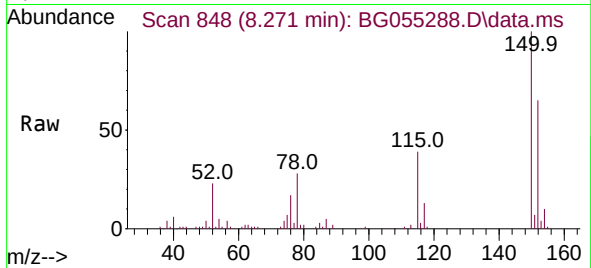
Quant Time: Oct 26 14:48:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.271 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

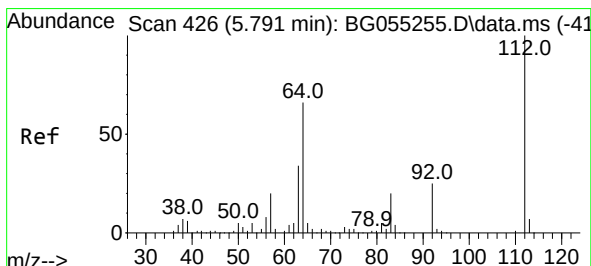
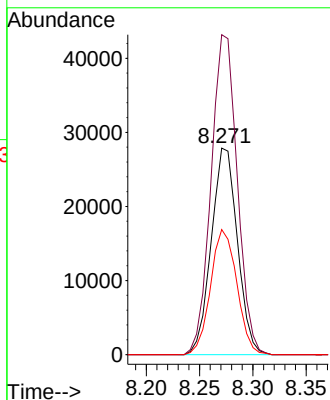
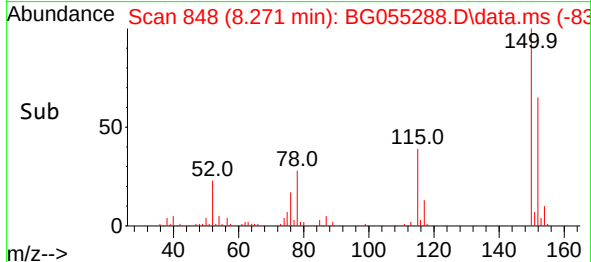
Instrument :
BNA_G
ClientSampleId :
164718



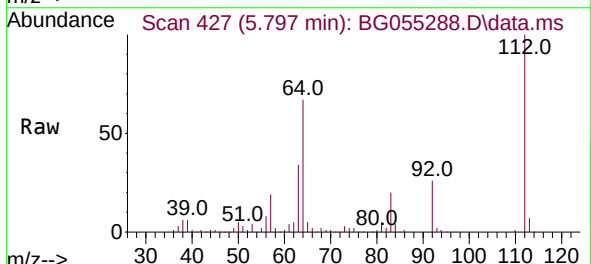
Tgt Ion:152 Resp: 47599
Ion Ratio Lower Upper
152 100
150 155.0 118.2 177.4
115 60.6 44.5 66.7

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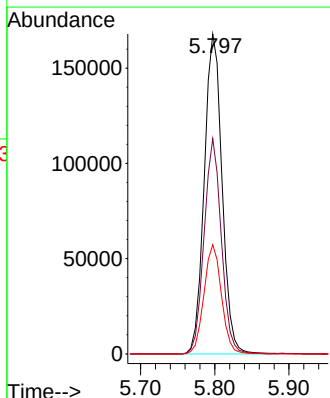
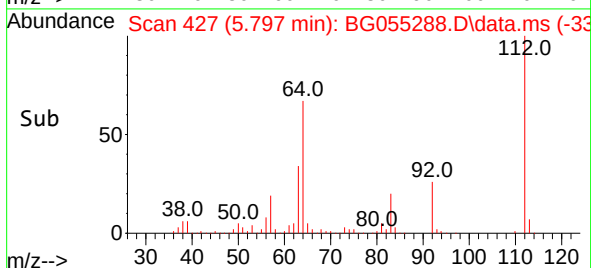
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

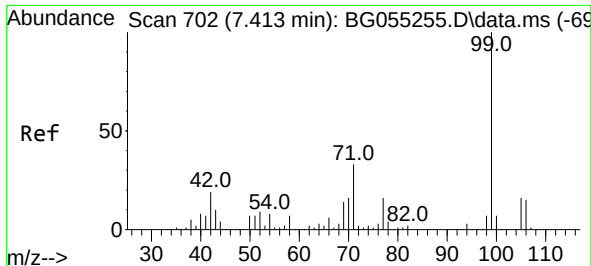


#5
2-Fluorophenol
Concen: 102.845 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31



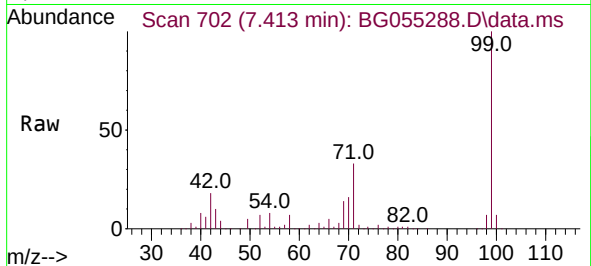
Tgt Ion:112 Resp: 279578
Ion Ratio Lower Upper
112 100
64 67.3 52.6 78.8
63 34.1 27.1 40.7





#7
Phenol-d6
Concen: 99.222 ng
RT: 7.413 min Scan# 702
Delta R.T. 0.000 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

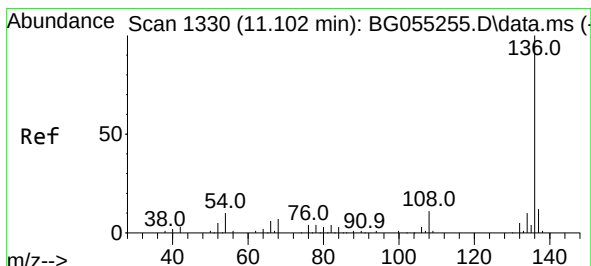
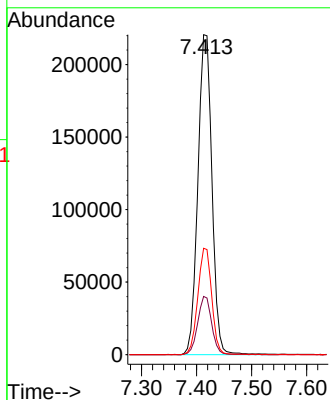
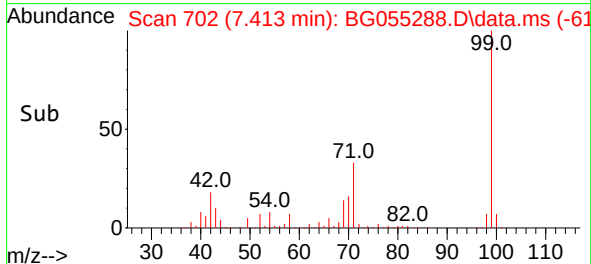
Instrument :
BNA_G
ClientSampleId :
164718



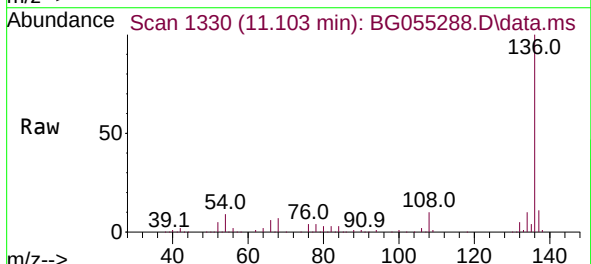
Tgt Ion: 99 Resp: 390776
Ion Ratio Lower Upper
99 100
42 18.2 15.2 22.8
71 33.2 26.2 39.4

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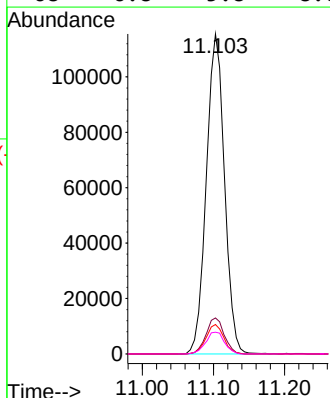
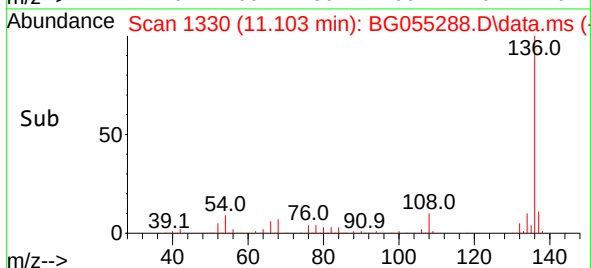
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

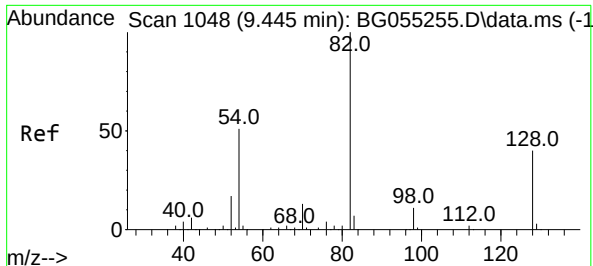


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.103 min Scan# 1330
Delta R.T. 0.001 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31



Tgt Ion:136 Resp: 204892
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 9.2 7.8 11.8
68 6.8 5.8 8.6





#23

Nitrobenzene-d5

Concen: 58.379 ng

RT: 9.446 min Scan# 1048

Delta R.T. 0.000 min

Lab File: BG055288.D

Acq: 25 Oct 2022 23:31

Instrument :

BNA_G

ClientSampleId :

164718

Tgt Ion: 82 Resp: 234245

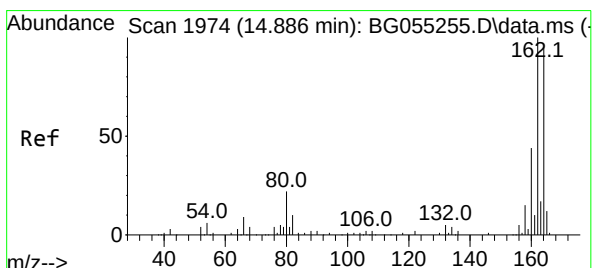
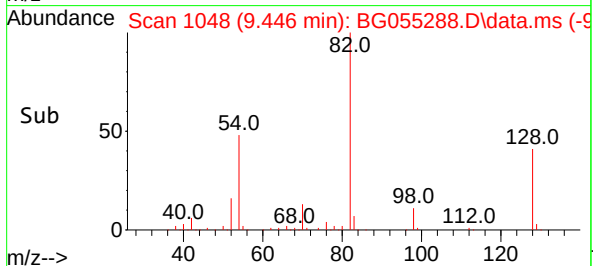
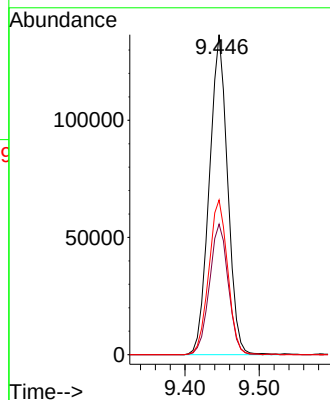
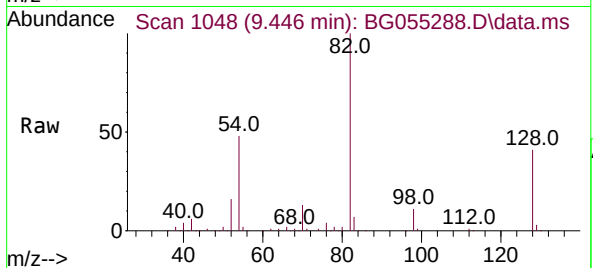
Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.0	48.0
54	48.3	40.9	61.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.887 min Scan# 1974

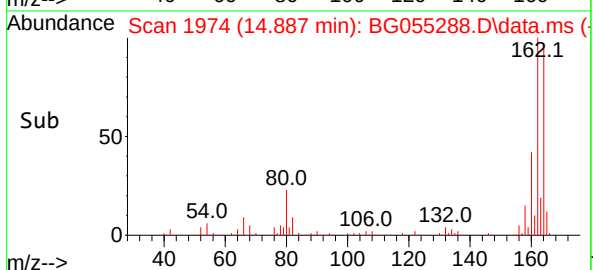
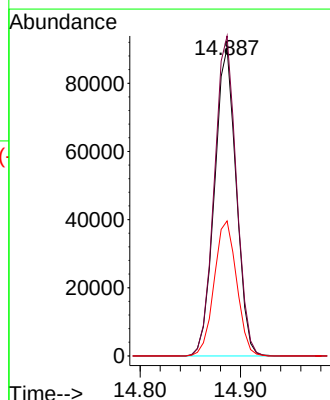
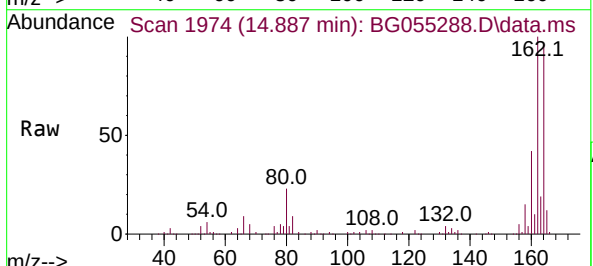
Delta R.T. 0.001 min

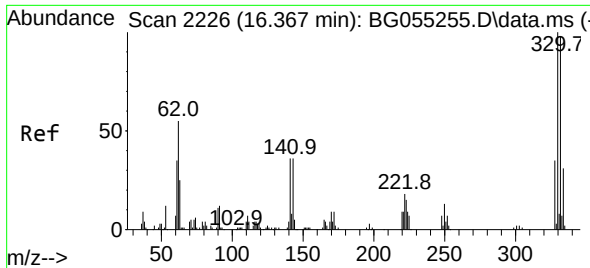
Lab File: BG055288.D

Acq: 25 Oct 2022 23:31

Tgt Ion:164 Resp: 135943

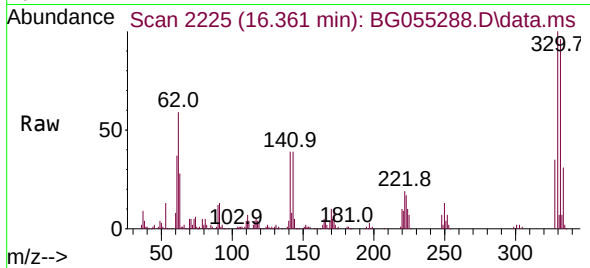
Ion	Ratio	Lower	Upper
164	100		
162	103.9	84.0	126.0
160	43.8	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 102.823 ng
RT: 16.361 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

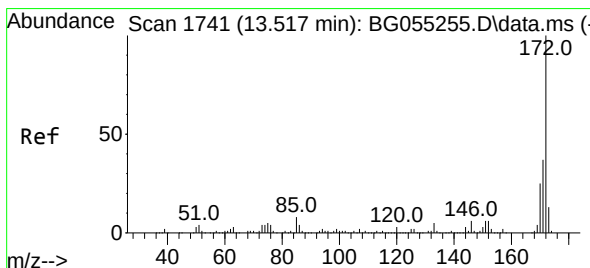
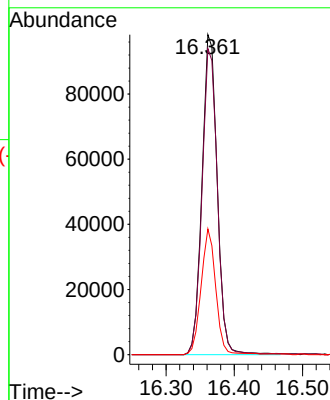
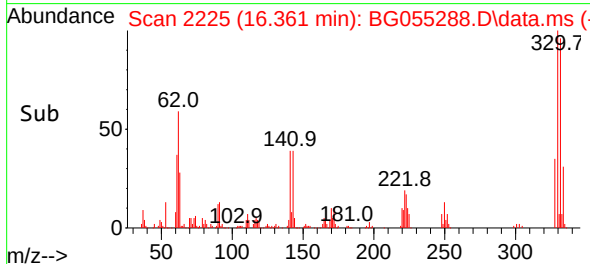
Instrument :
BNA_G
ClientSampleId :
164718



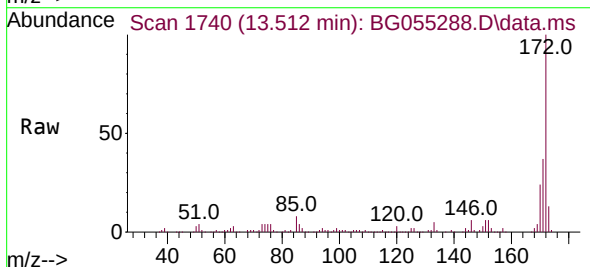
Tgt Ion:330 Resp: 151954
Ion Ratio Lower Upper
330 100
332 96.4 77.4 116.0
141 38.0 29.8 44.8

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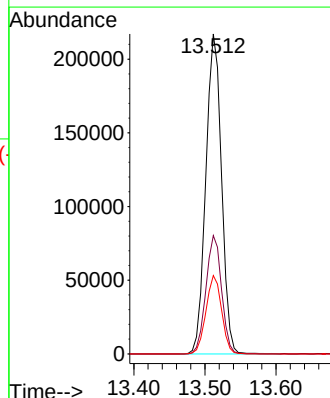
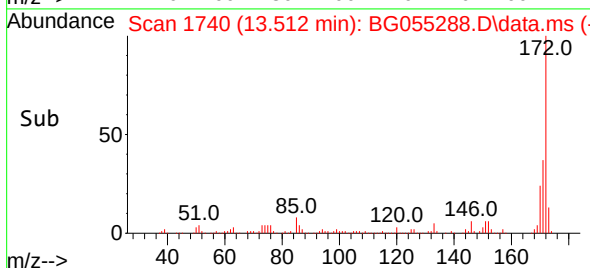
Reviewed By :Christian Giraldo 10/26/2022
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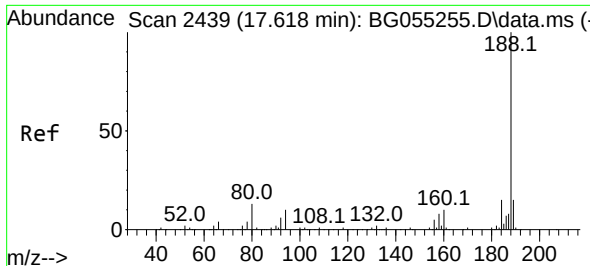


#45
2-Fluorobiphenyl
Concen: 40.024 ng
RT: 13.512 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31



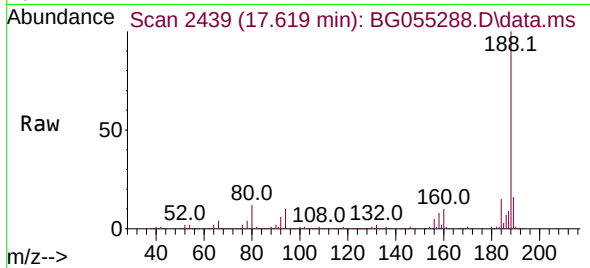
Tgt Ion:172 Resp: 332421
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.5 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2439
Delta R.T. 0.001 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

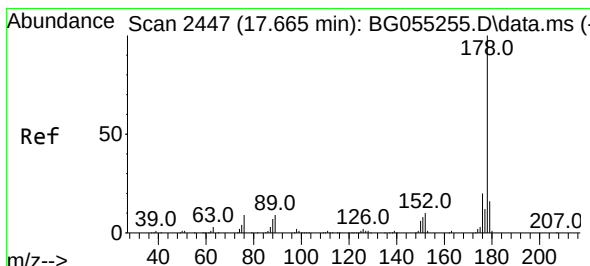
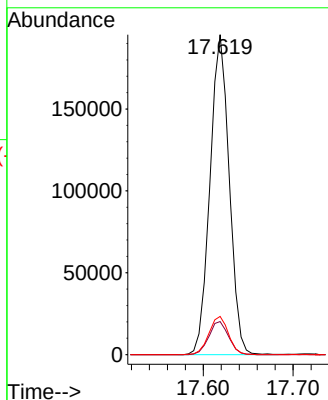
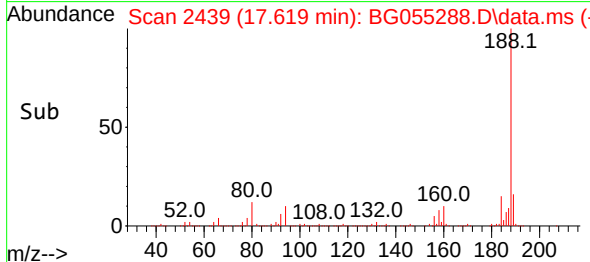
Instrument :
BNA_G
ClientSampleId :
164718



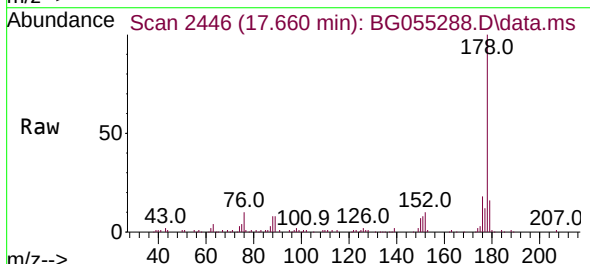
Tgt Ion:188 Resp: 291855
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.4
80 11.9 10.1 15.1

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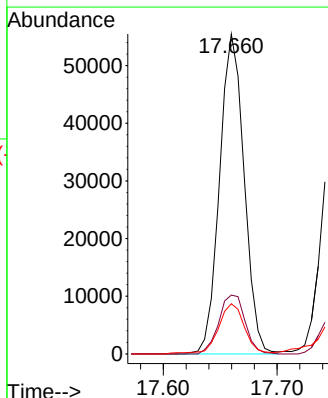
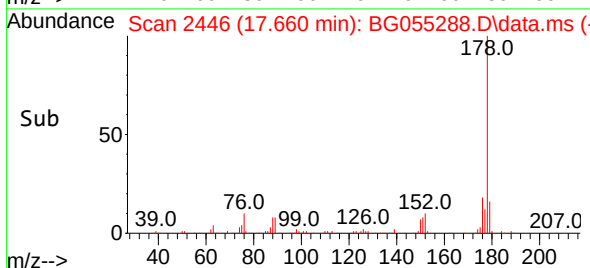
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

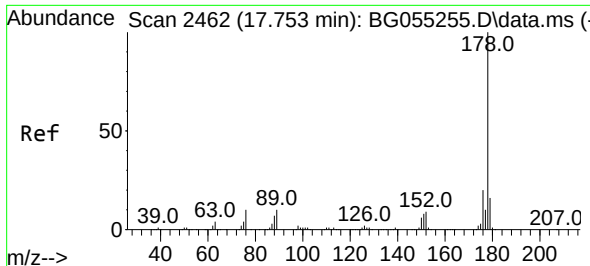


#71
Phenanthrene
Concen: 5.344 ng
RT: 17.660 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31



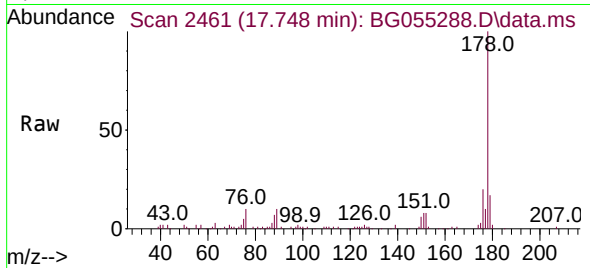
Tgt Ion:178 Resp: 83180
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.7 12.6 19.0





#72
 Anthracene
 Concen: 3.999 ng
 RT: 17.748 min Scan# 2461
 Delta R.T. -0.006 min
 Lab File: BG055288.D
 Acq: 25 Oct 2022 23:31

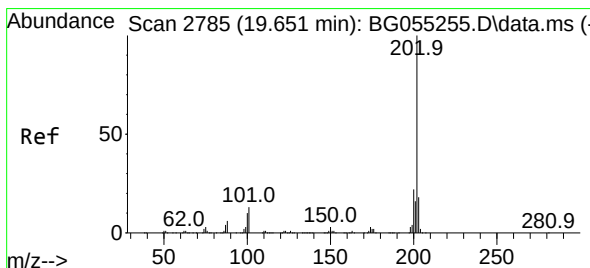
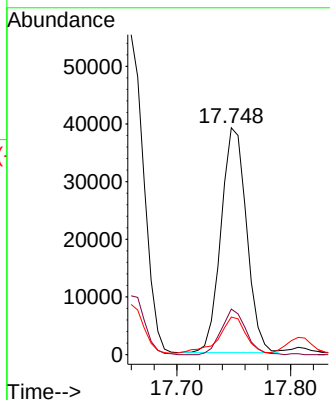
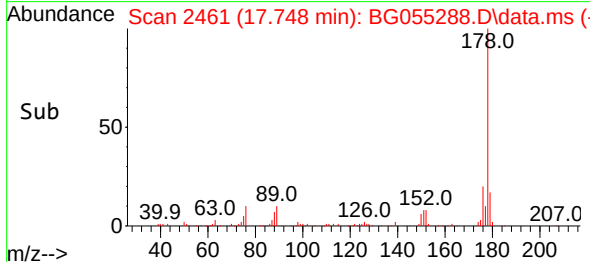
Instrument :
 BNA_G
 ClientSampleId :
 164718



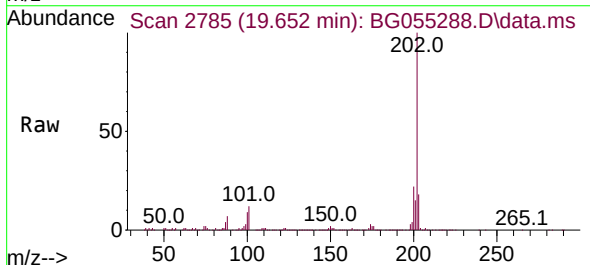
Tgt Ion:178 Resp: 60852
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.7 23.5
 179 16.5 12.9 19.3

Manual Integrations
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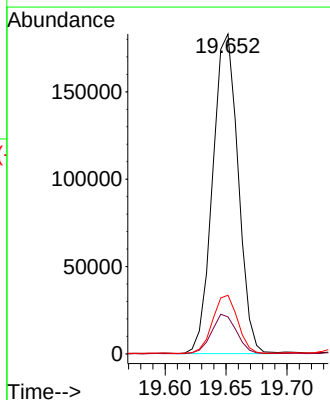
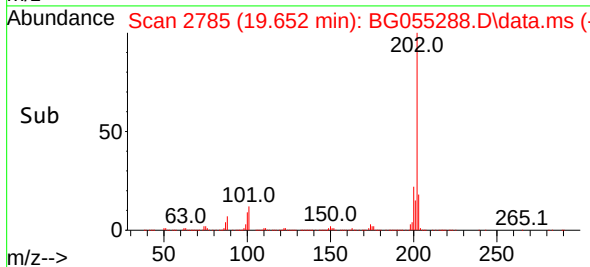
Reviewed By :Christian Giraldo 10/26/2022
 Supervised By :Jagrut Upadhyay 10/27/2022

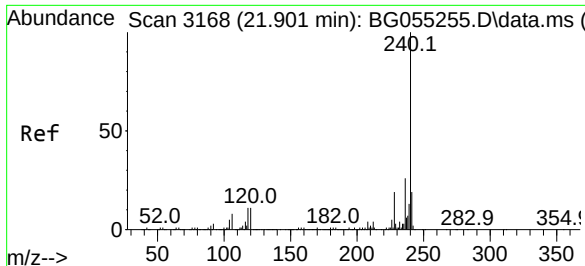


#75
 Fluoranthene
 Concen: 14.699 ng
 RT: 19.652 min Scan# 2785
 Delta R.T. 0.001 min
 Lab File: BG055288.D
 Acq: 25 Oct 2022 23:31



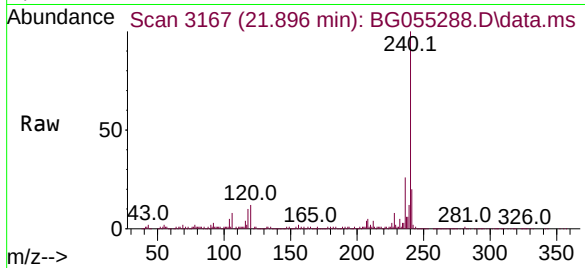
Tgt Ion:202 Resp: 266594
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 32.6
 203 18.3 0.0 38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3168
Delta R.T. -0.006 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

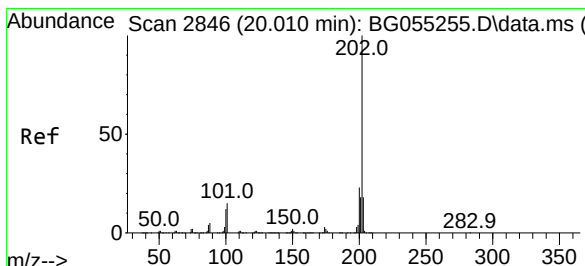
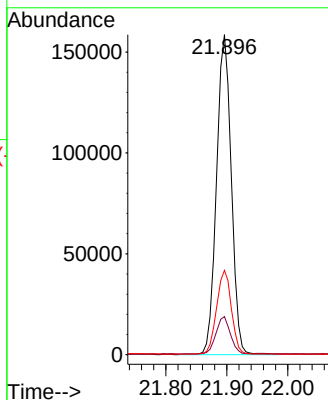
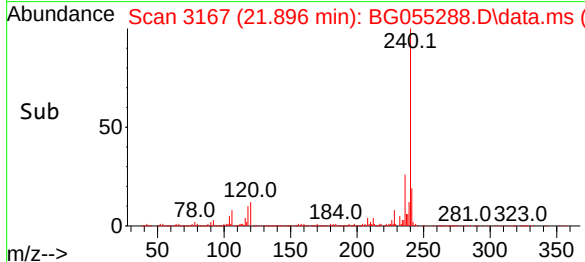
Instrument :
BNA_G
ClientSampleId :
164718



Tgt Ion:240 Resp: 267164
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 26.3 21.0 31.4

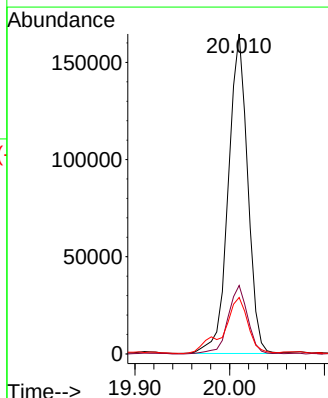
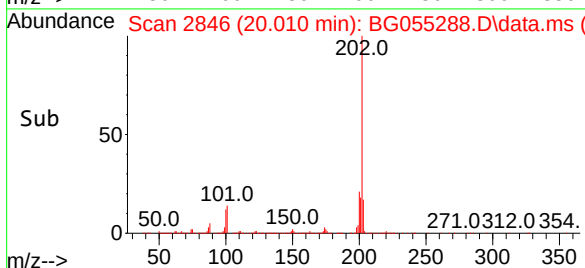
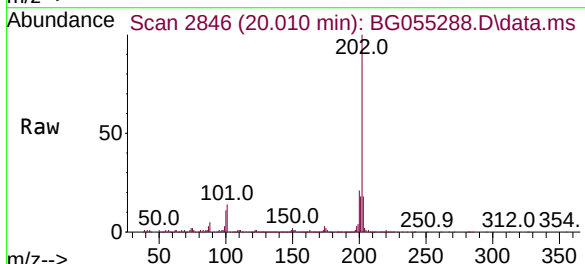
Manual Integrations
APPROVED

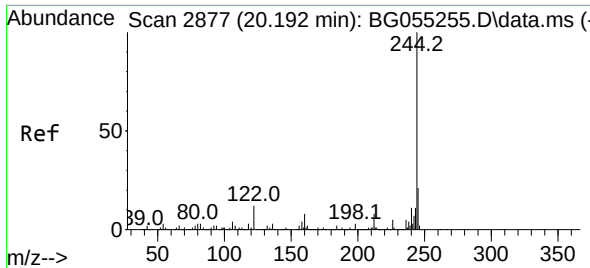
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#78
Pyrene
Concen: 12.733 ng
RT: 20.010 min Scan# 2846
Delta R.T. -0.000 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

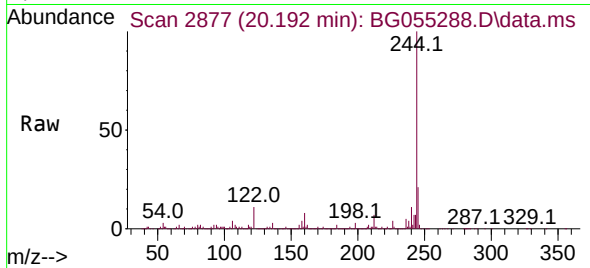
Tgt Ion:202 Resp: 233167
Ion Ratio Lower Upper
202 100
200 21.4 18.0 27.0
203 17.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 38.008 ng
 RT: 20.192 min Scan# 2877
 Delta R.T. 0.000 min
 Lab File: BG055288.D
 Acq: 25 Oct 2022 23:31

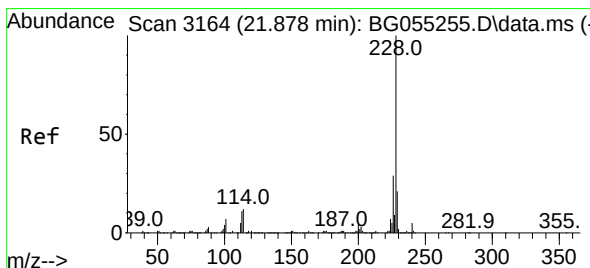
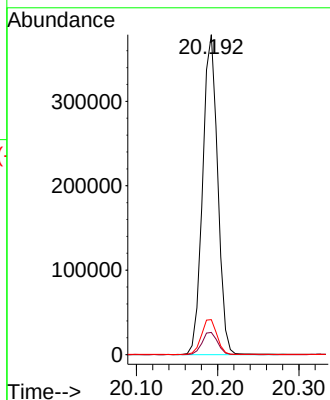
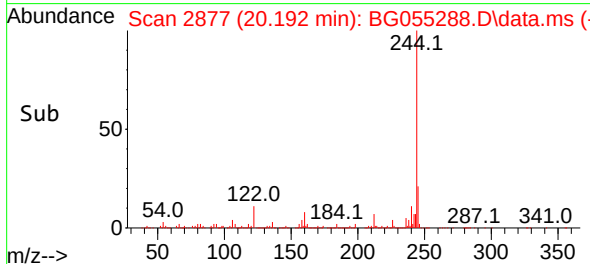
Instrument :
 BNA_G
 ClientSampleId :
 164718



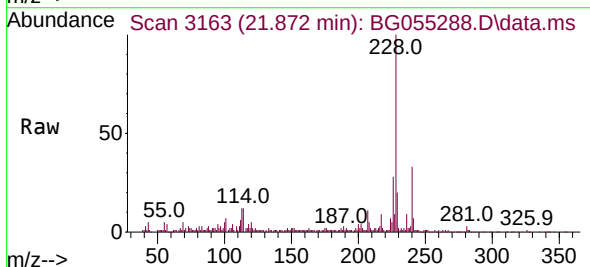
Tgt Ion:244 Resp: 488732
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.9 9.6 14.4

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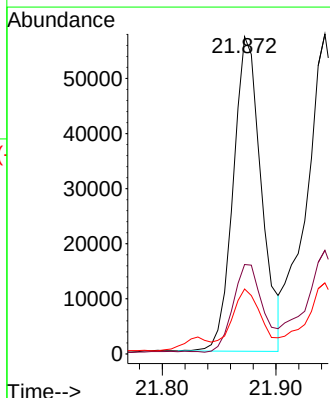
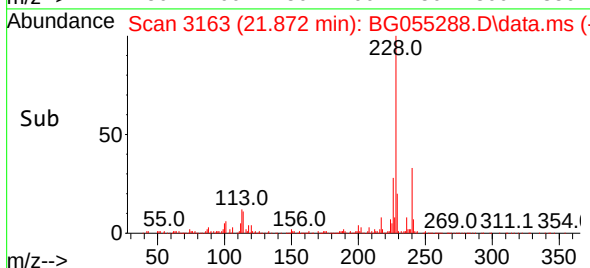
Reviewed By :Christian Giraldo 10/26/2022
 Supervised By :Jagrut Upadhyay 10/27/2022

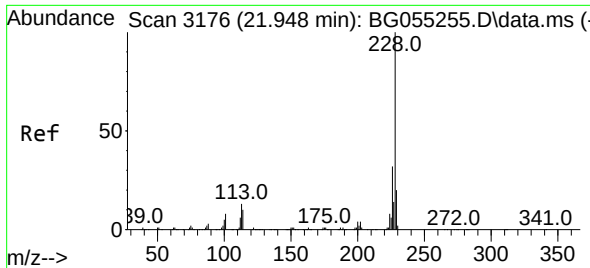


#81
 Benzo(a)anthracene
 Concen: 5.482 ng
 RT: 21.872 min Scan# 3163
 Delta R.T. -0.006 min
 Lab File: BG055288.D
 Acq: 25 Oct 2022 23:31



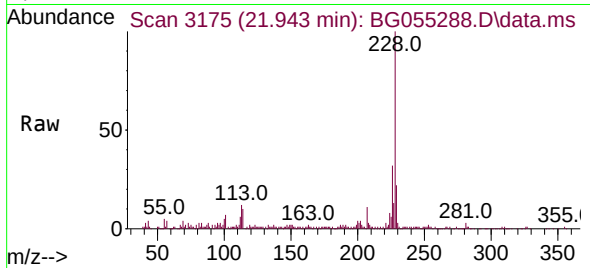
Tgt Ion:228 Resp: 98355
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.9 34.3
 229 20.4 16.7 25.1





#83
Chrysene
Concen: 6.725 ng
RT: 21.943 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

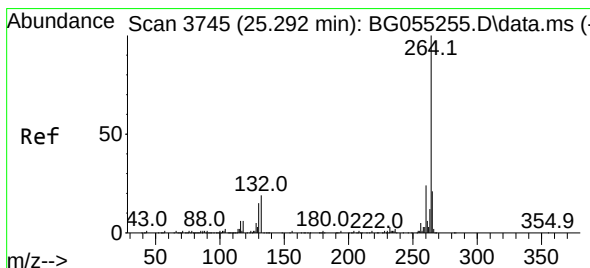
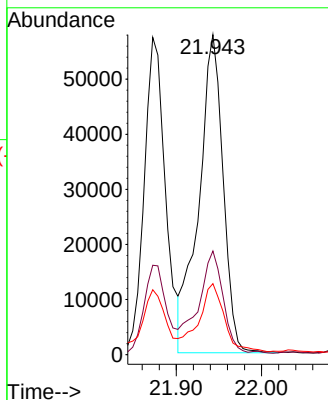
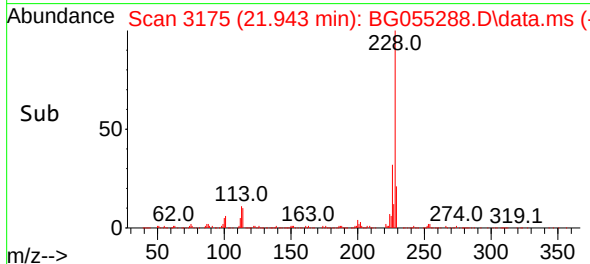
Instrument :
BNA_G
ClientSampleId :
164718



Tgt Ion:228 Resp: 114609
Ion Ratio Lower Upper
228 100
226 32.4 25.8 38.8
229 22.2 16.3 24.5

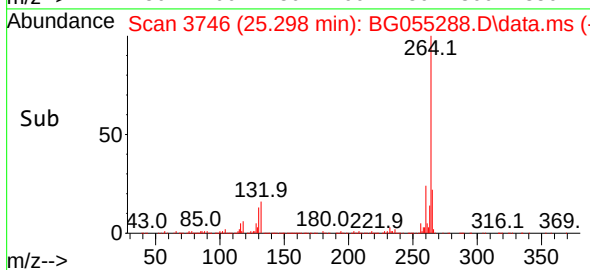
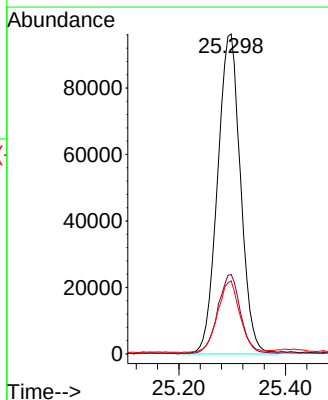
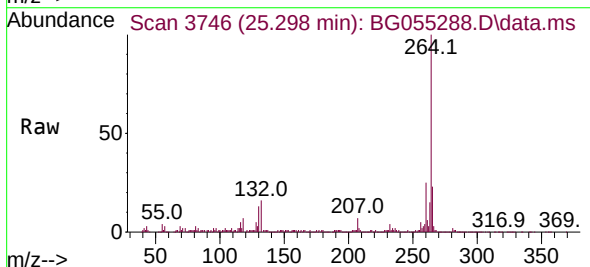
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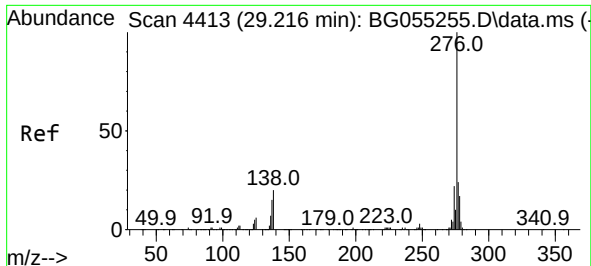
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.298 min Scan# 3746
Delta R.T. 0.006 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

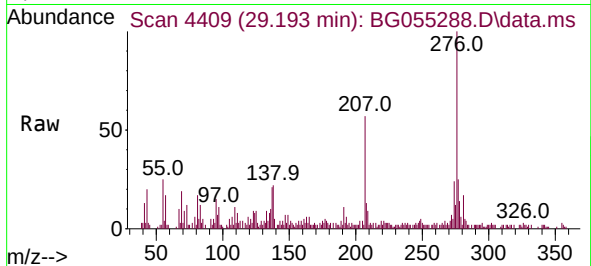
Tgt Ion:264 Resp: 287669
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 22.8 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.751 ng
 RT: 29.193 min Scan# 4413
 Delta R.T. -0.023 min
 Lab File: BG055288.D
 Acq: 25 Oct 2022 23:31

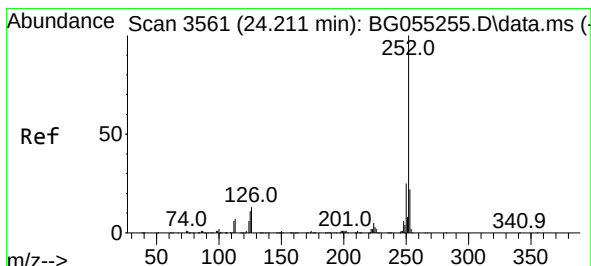
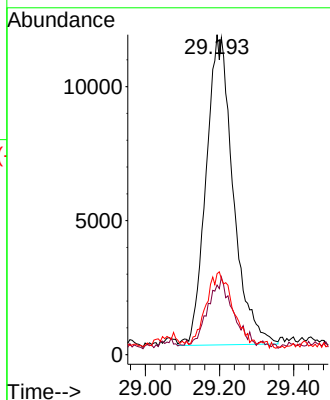
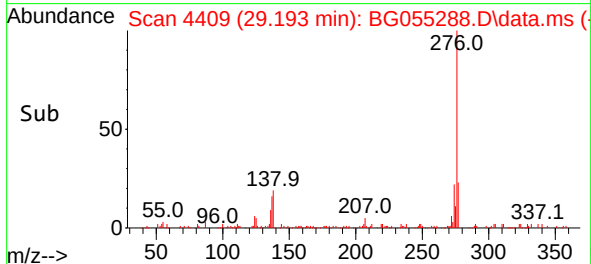
Instrument :
 BNA_G
 ClientSampleId :
 164718



Tgt Ion:276 Resp: 58454
 Ion Ratio Lower Upper
 276 100
 138 20.7 13.9 20.9
 277 23.9 20.3 30.5

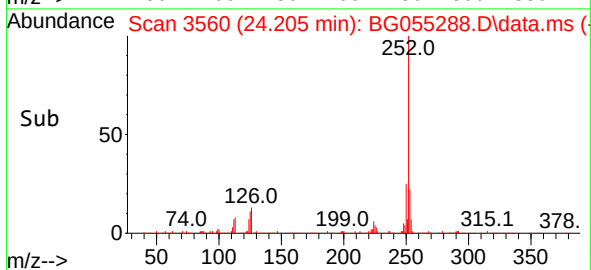
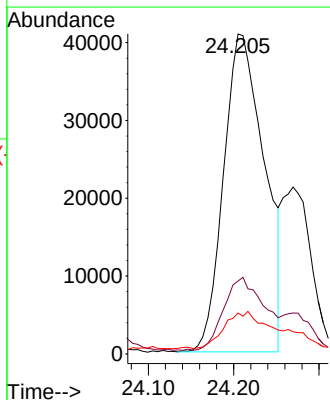
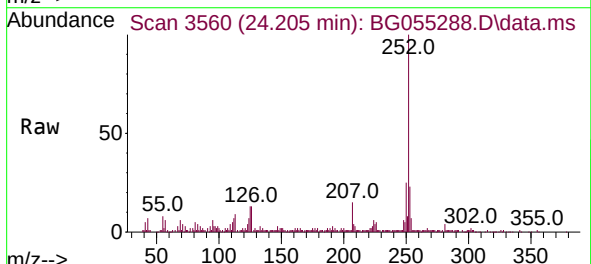
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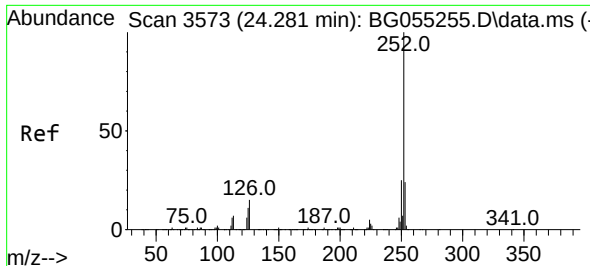
Reviewed By :Christian Giraldo 10/26/2022
 Supervised By :Jagrut Upadhyay 10/27/2022



#88
 Benzo(b)fluoranthene
 Concen: 7.846 ng
 RT: 24.205 min Scan# 3560
 Delta R.T. -0.006 min
 Lab File: BG055288.D
 Acq: 25 Oct 2022 23:31

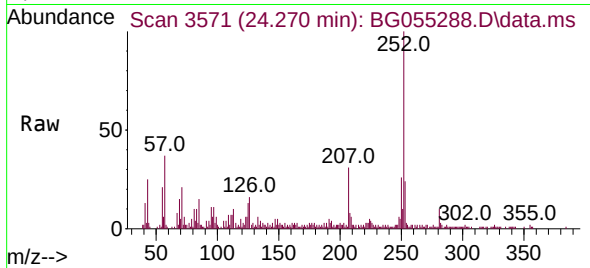
Tgt Ion:252 Resp: 135766
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.6 26.4
 125 12.8 9.0 13.4





#89
Benzo(k)fluoranthene
Concen: 2.887 ng m
RT: 24.270 min Scan# 3573
Delta R.T. -0.011 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

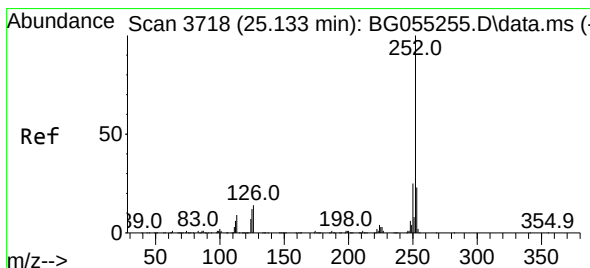
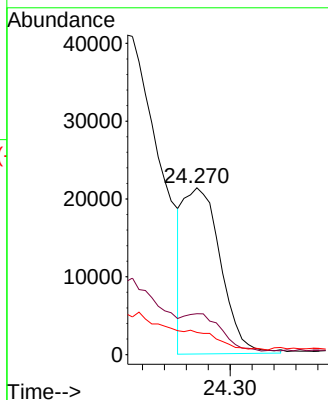
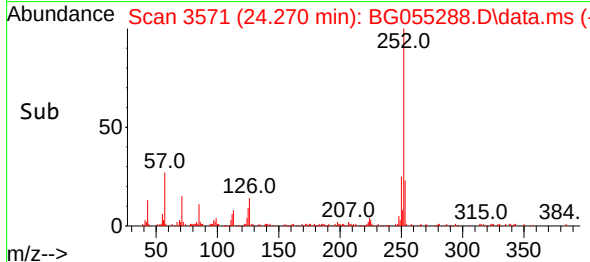
Instrument :
BNA_G
ClientSampleId :
164718



Tgt Ion:252 Resp: 50443
Ion Ratio Lower Upper
252 100
253 24.5 18.6 27.8
125 13.3 9.1 13.7

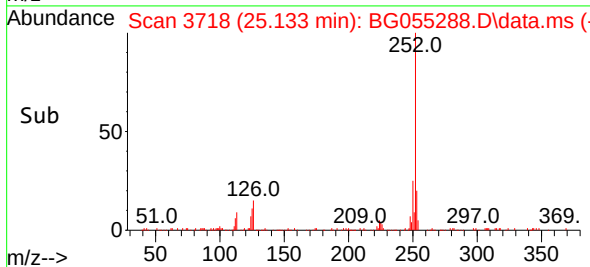
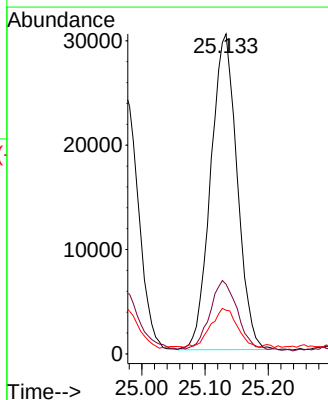
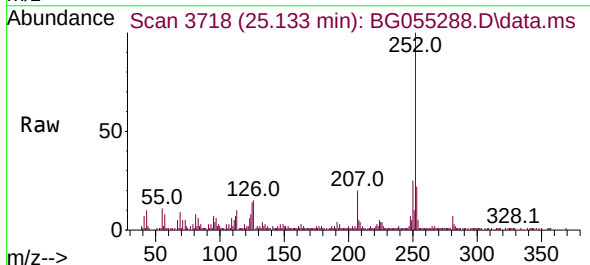
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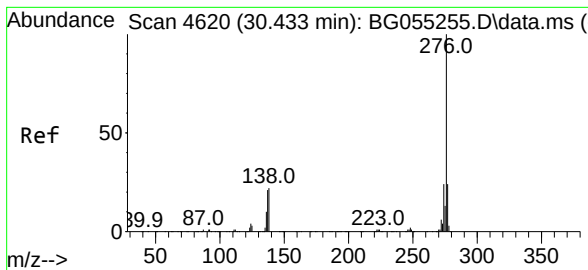
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#90
Benzo(a)pyrene
Concen: 5.915 ng
RT: 25.133 min Scan# 3718
Delta R.T. 0.000 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

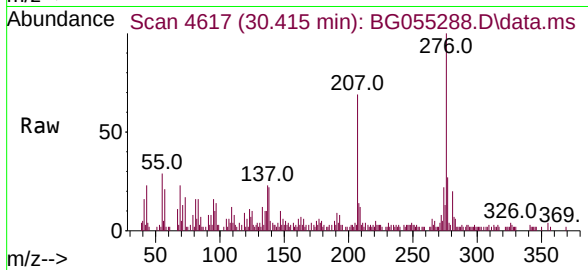
Tgt Ion:252 Resp: 87779
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 13.6 9.8 14.8





#92
Benzo(g,h,i)perylene
Concen: 3.282 ng
RT: 30.415 min Scan# 4617
Delta R.T. -0.017 min
Lab File: BG055288.D
Acq: 25 Oct 2022 23:31

Instrument :
BNA_G
ClientSampleId :
164718



Tgt Ion:	276	Resp:	56764
Ion Ratio	Lower	Upper	
276	100		
277	26.8	19.1	28.7
138	21.7	17.2	25.8

Manual Integrations
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Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

