

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
 Data File : BG055844.D
 Acq On : 30 Nov 2022 16:25
 Operator : CG/JU
 Sample : N5807-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/01/2022
 Supervised By : Jagrut Upadhyay 12/01/2022

Quant Time: Dec 01 02:13:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 01 02:10:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	37905	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	162347	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	117194	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	266215	20.000	ng	0.00
76) Chrysene-d12	21.871	240	248128	20.000	ng	0.00
86) Perylene-d12	25.261	264	265874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.755	112	224803	107.198	ng	0.00
7) Phenol-d6	7.371	99	301058	107.847	ng	0.00
23) Nitrobenzene-d5	9.392	82	190277	61.948	ng	0.00
42) 2,4,6-Tribromophenol	16.325	330	160277	97.123	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	427831	54.691	ng	0.00
79) Terphenyl-d14	20.167	244	676788	54.555	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.623	178	130687	9.097	ng	99
72) Anthracene	17.717	178	34345	2.461	ng	98
75) Fluoranthene	19.621	202	214789	12.290	ng	99
78) Pyrene	19.985	202	190237	11.327	ng	99
81) Benzo(a)anthracene	21.854	228	107444	6.287	ng	99
83) Chrysene	21.918	228	92140	5.663	ng	99
87) Indeno(1,2,3-cd)pyrene	29.157	276	62681	2.878	ng	# 93
88) Benzo(b)fluoranthene	24.180	252	121037	6.990	ng	95
89) Benzo(k)fluoranthene	24.239	252	47065m	2.727	ng	
90) Benzo(a)pyrene	25.091	252	96710	6.509	ng	97
92) Benzo(g,h,i)perylene	30.373	276	64700	3.607	ng	99

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

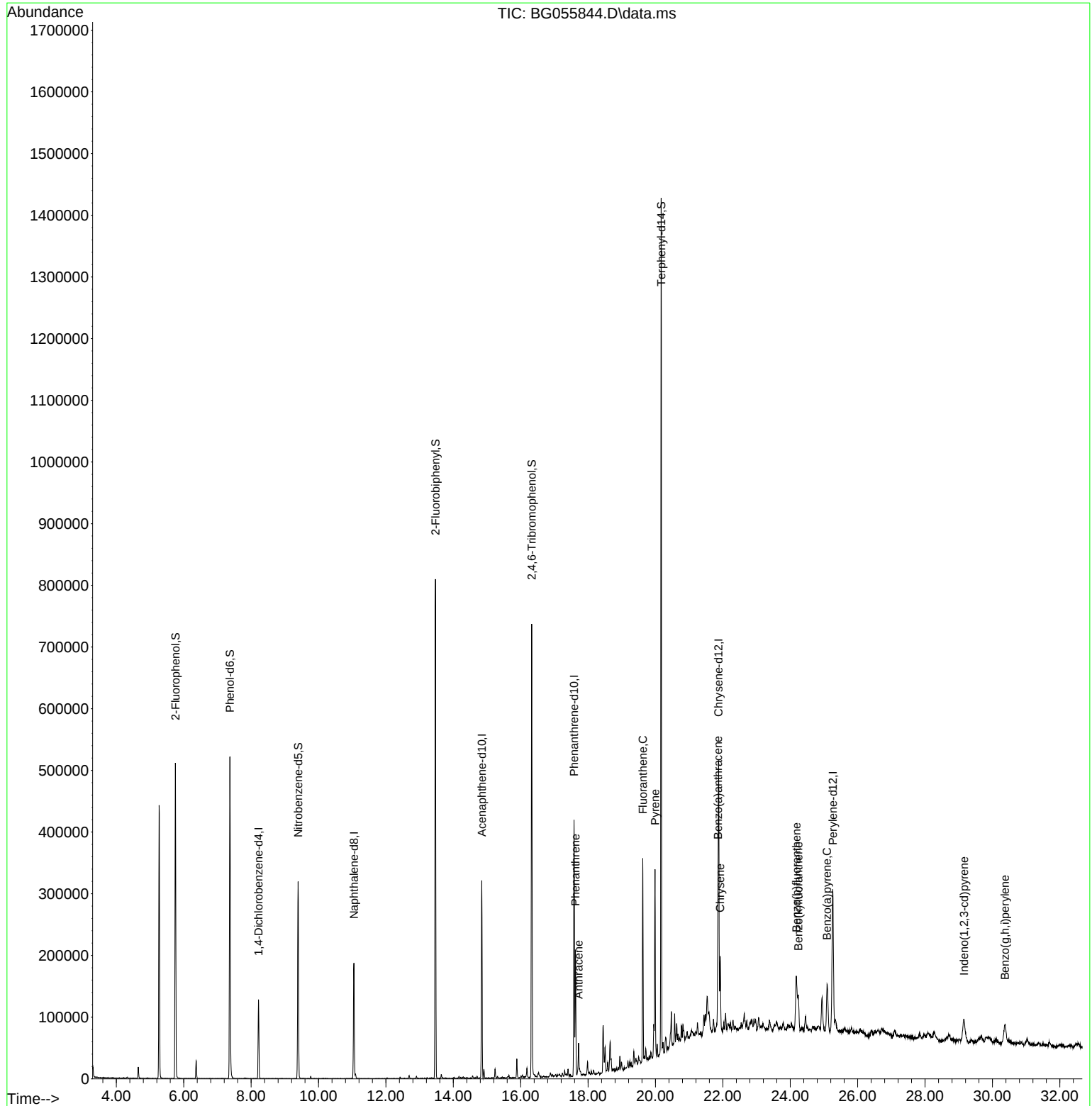
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Data File : BG055844.D
Acq On : 30 Nov 2022 16:25
Operator : CG/JU
Sample : N5807-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

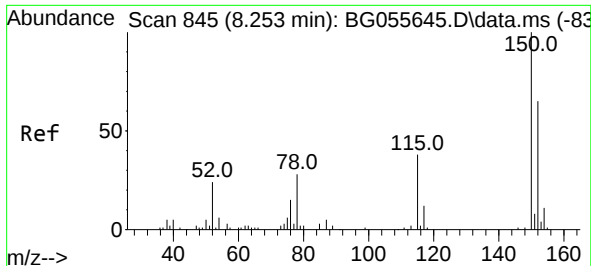
Instrument :
BNA_G
ClientSampleId :
COMP-3

Quant Time: Dec 01 02:13:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 01 02:10:33 2022
Response via : Initial Calibration

Manual Integrations
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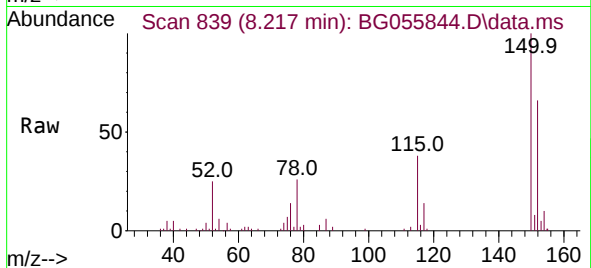
Reviewed By : Christian Giraldo 12/01/2022
Supervised By : Jagrut Upadhyay 12/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 845
Delta R.T. -0.002 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

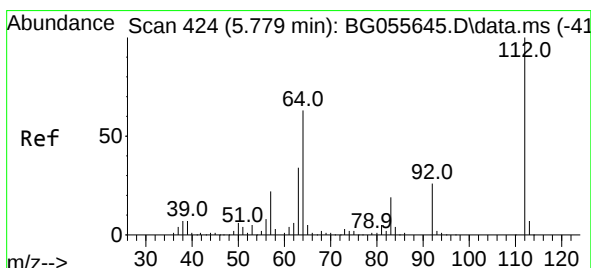
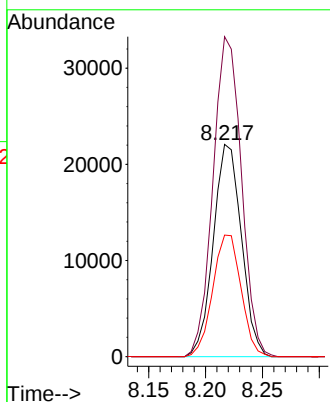
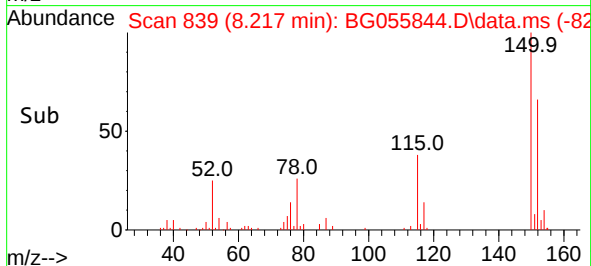
Instrument :
BNA_G
ClientSampleId :
COMP-3



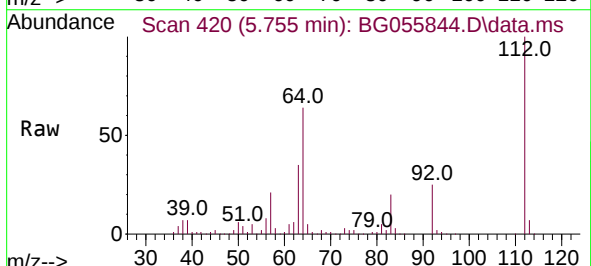
Tgt Ion:152 Resp: 37905
Ion Ratio Lower Upper
152 100
150 150.8 123.0 184.6
115 57.3 47.0 70.4

Manual Integrations
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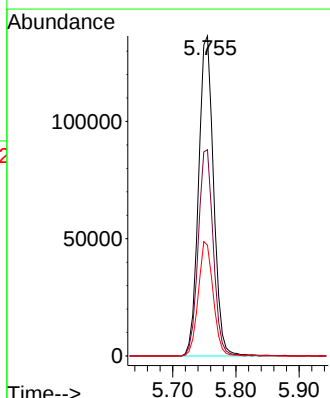
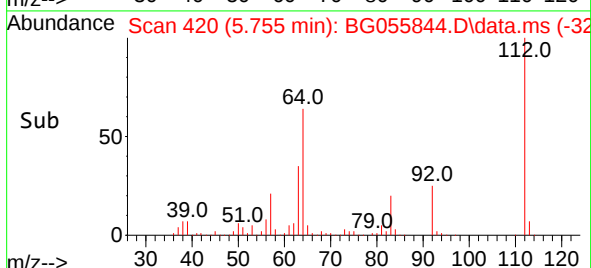
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#5
2-Fluorophenol
Concen: 107.198 ng
RT: 5.755 min Scan# 420
Delta R.T. 0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25



Tgt Ion:112 Resp: 224803
Ion Ratio Lower Upper
112 100
64 64.4 50.6 76.0
63 34.6 27.5 41.3





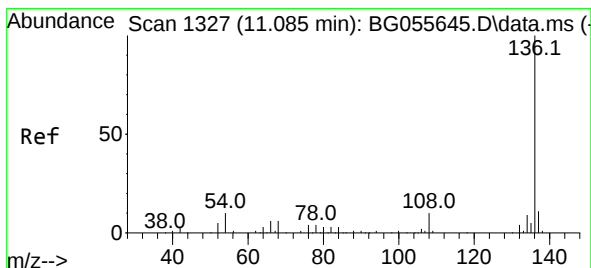
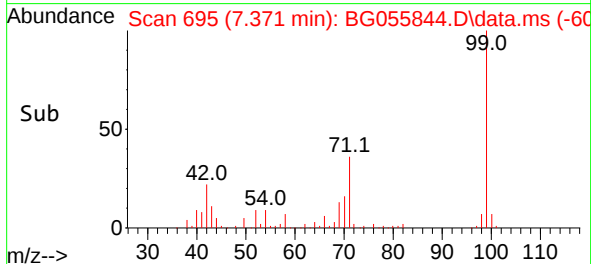
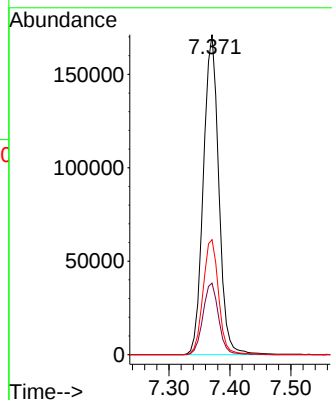
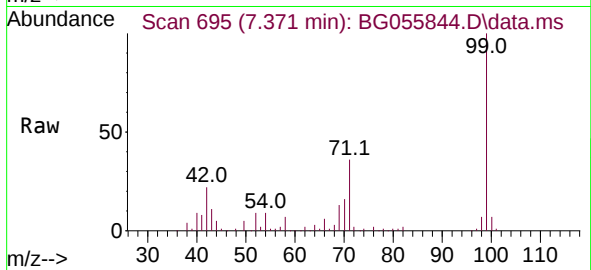
#7
Phenol-d6
Concen: 107.847 ng
RT: 7.371 min Scan# 698
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Instrument :
BNA_G
ClientSampleId :
COMP-3

Tgt Ion: 99 Resp: 301058
Ion Ratio Lower Upper
99 100
42 22.3 18.0 27.0
71 35.9 29.0 43.6

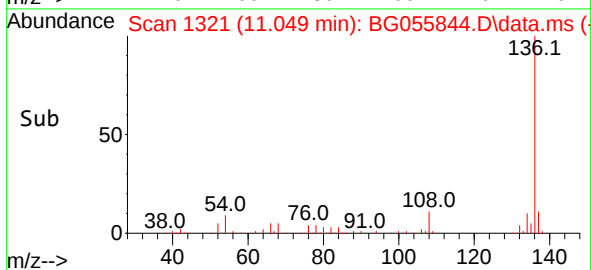
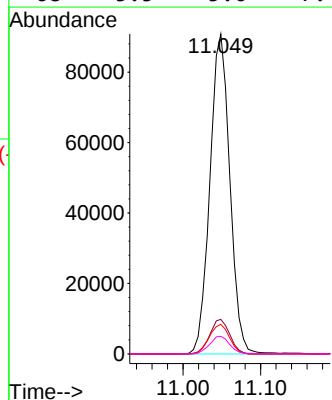
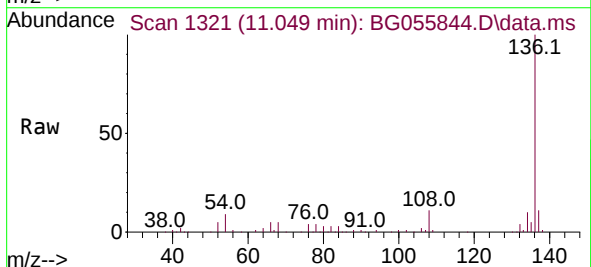
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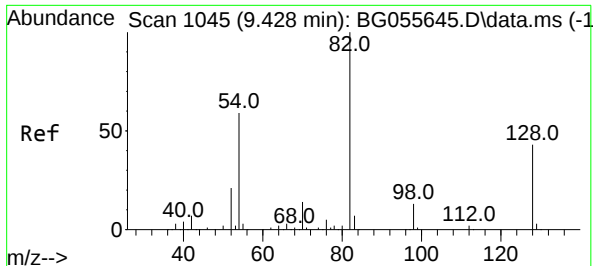
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1321
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Tgt Ion:136 Resp: 162347
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.2 7.8 11.6
68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 61.948 ng

RT: 9.392 min Scan# 1045

Delta R.T. -0.002 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

Instrument :

BNA_G

ClientSampleId :

COMP-3

Tgt Ion: 82 Resp: 19027

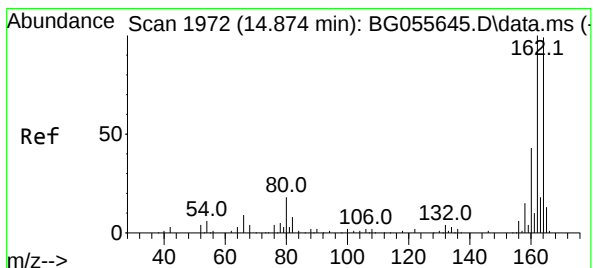
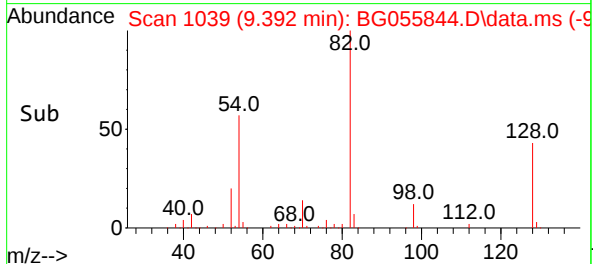
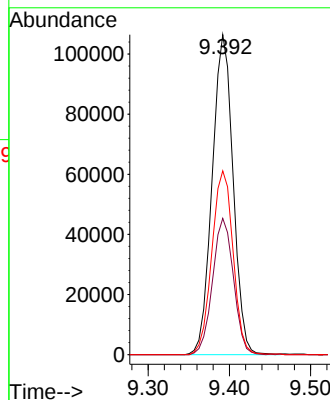
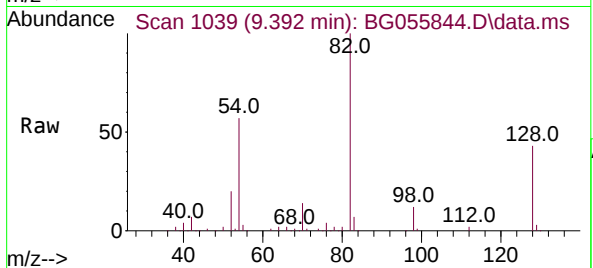
Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.1	51.1
54	57.4	47.3	70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.844 min Scan# 1967

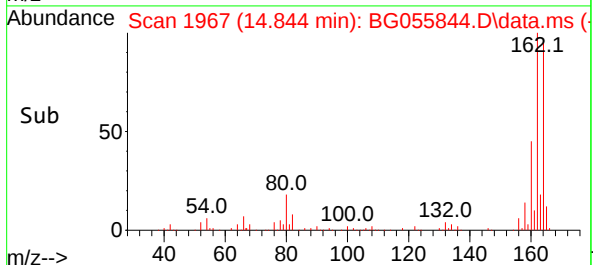
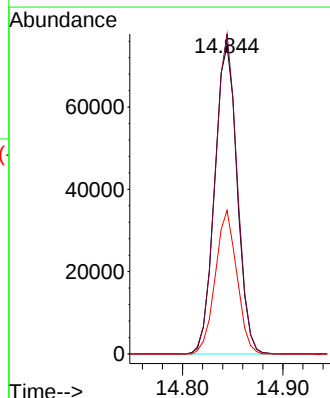
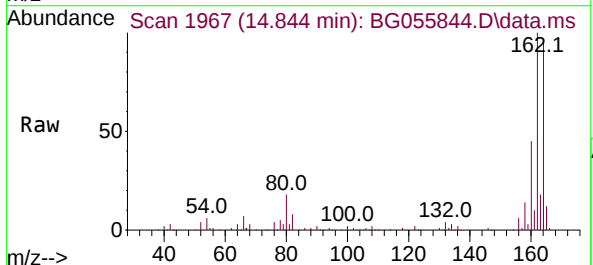
Delta R.T. -0.002 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

Tgt Ion:164 Resp: 117194

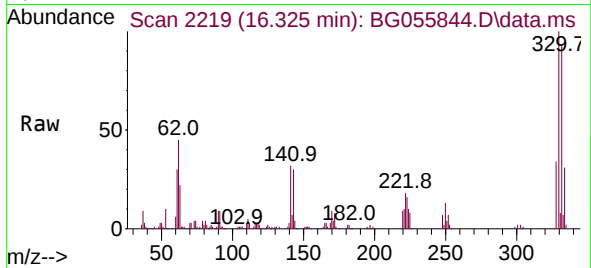
Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.1	121.7
160	46.6	34.8	52.2





#42
2,4,6-Tribromophenol
Concen: 97.123 ng
RT: 16.325 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

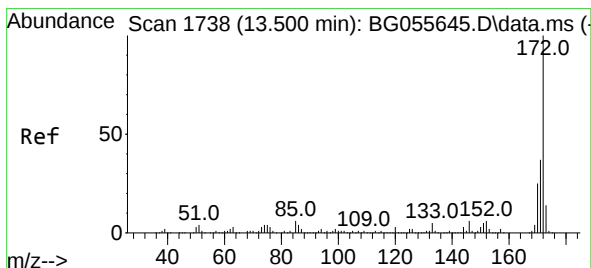
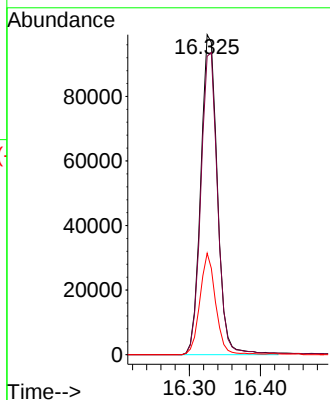
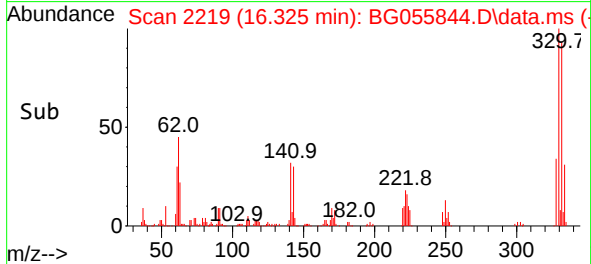
Instrument :
BNA_G
ClientSampleId :
COMP-3



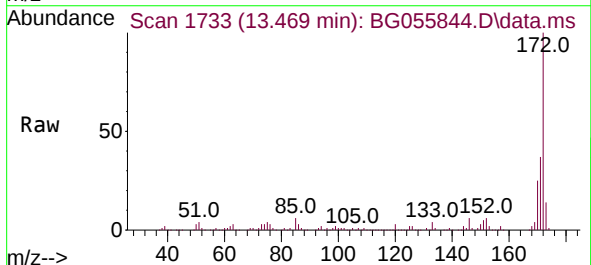
Tgt Ion:330 Resp: 160272
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 29.9 23.9 35.9

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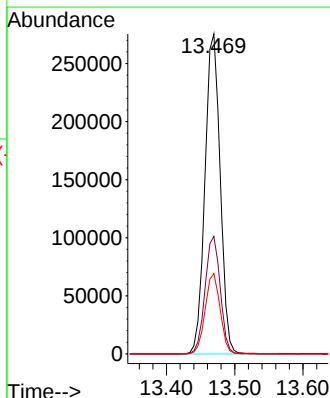
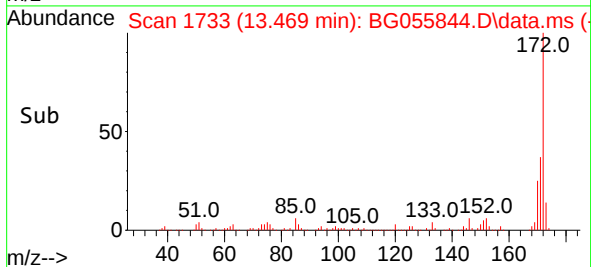
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022

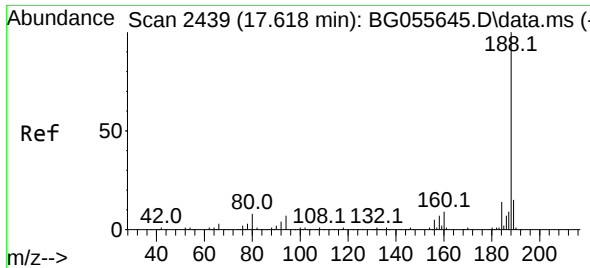


#45
2-Fluorobiphenyl
Concen: 54.691 ng
RT: 13.469 min Scan# 1733
Delta R.T. -0.002 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25



Tgt Ion:172 Resp: 427831
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 25.1 20.2 30.4





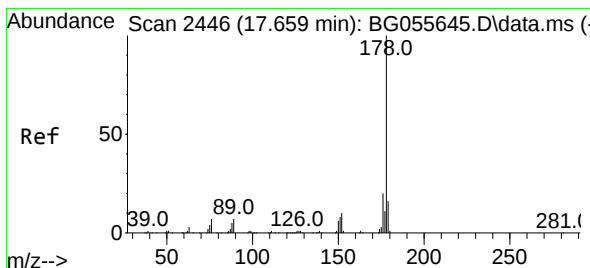
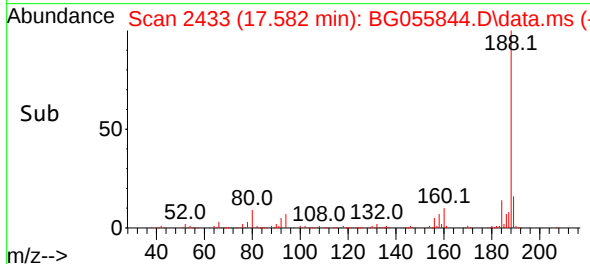
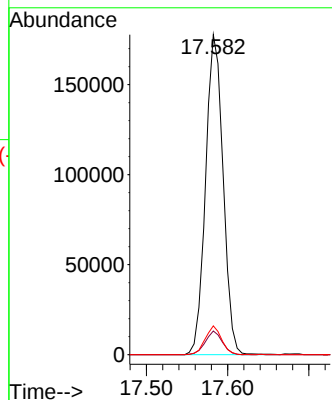
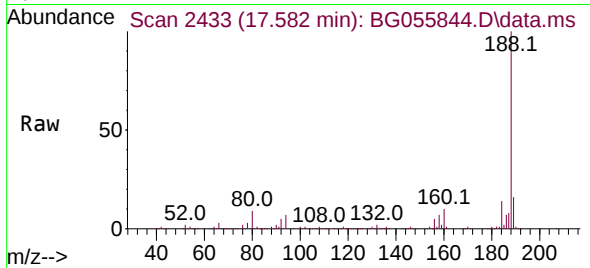
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

Instrument :
BNA_G
ClientSampleId :
COMP-3

Tgt Ion:188 Resp: 266215
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.2
80 9.0 6.6 10.0

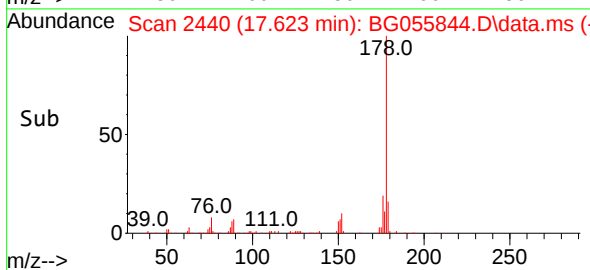
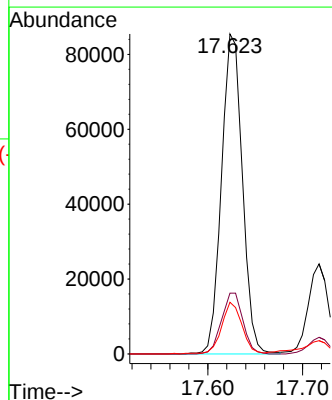
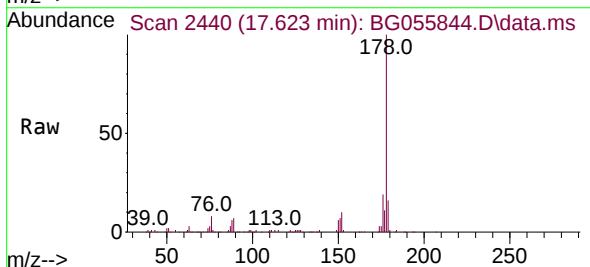
Manual Integrations
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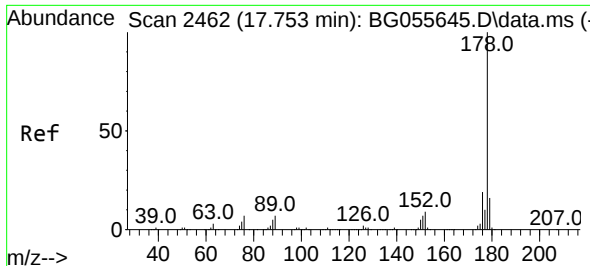
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#71
Phenanthrene
Concen: 9.097 ng
RT: 17.623 min Scan# 2440
Delta R.T. -0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

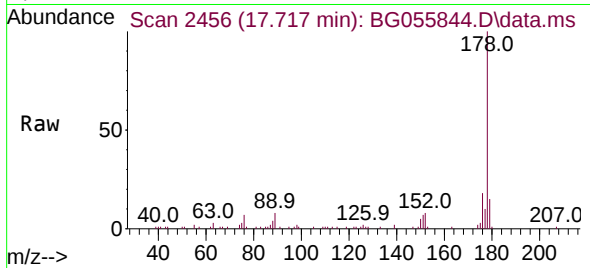
Tgt Ion:178 Resp: 130687
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 16.1 12.7 19.1





#72
 Anthracene
 Concen: 2.461 ng
 RT: 17.717 min Scan# 2462
 Delta R.T. -0.002 min
 Lab File: BG055844.D
 Acq: 30 Nov 2022 16:25

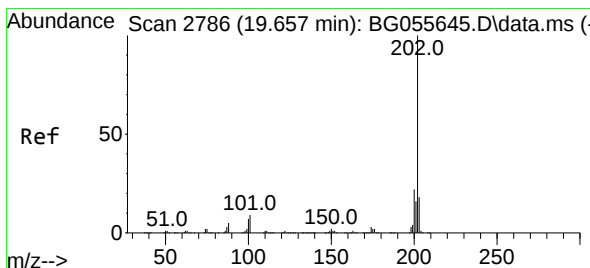
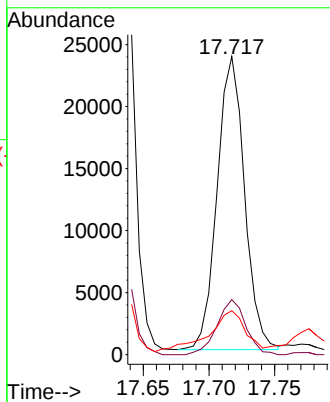
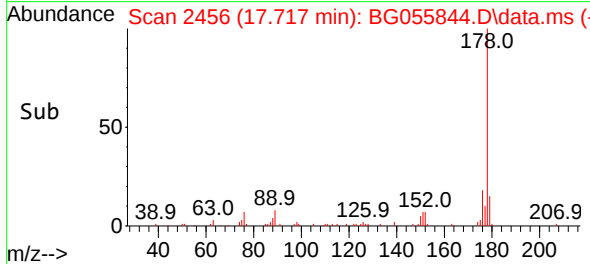
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3



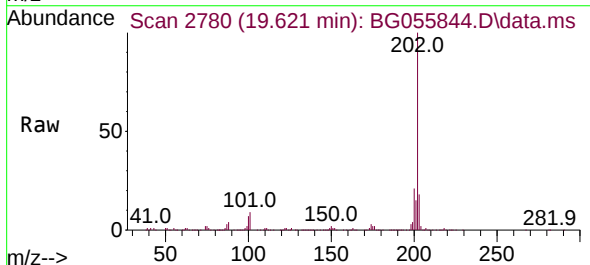
Tgt Ion:178 Resp: 34345
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.5 23.3
 179 14.7 12.5 18.7

Manual Integrations
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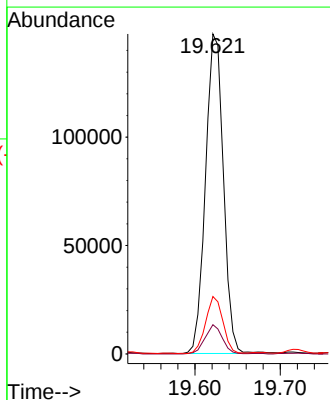
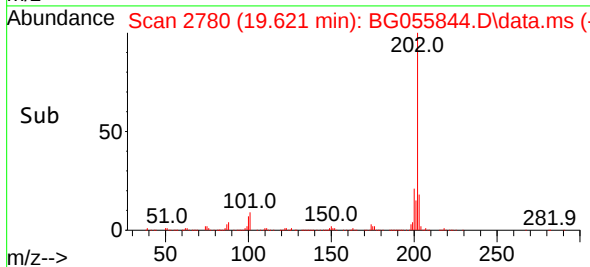
Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022

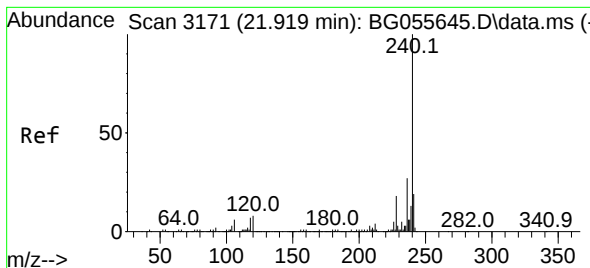


#75
 Fluoranthene
 Concen: 12.290 ng
 RT: 19.621 min Scan# 2780
 Delta R.T. -0.003 min
 Lab File: BG055844.D
 Acq: 30 Nov 2022 16:25



Tgt Ion:202 Resp: 214789
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 28.8
 203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.871 min Scan# 3171

Delta R.T. -0.008 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

Instrument :

BNA_G

ClientSampleId :

COMP-3

Tgt Ion:240 Resp: 248128

Ion Ratio Lower Upper

240 100

120 7.9 6.3 9.5

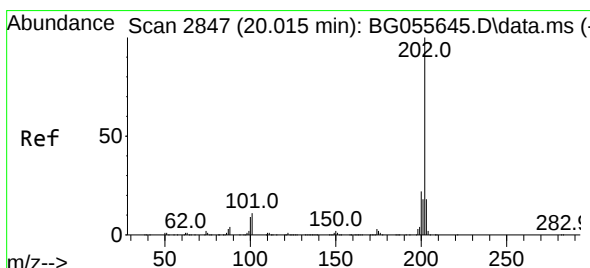
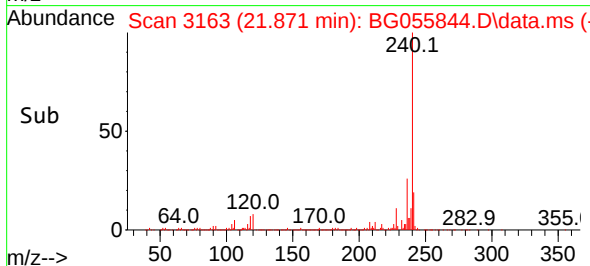
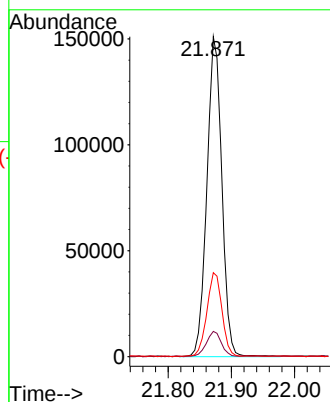
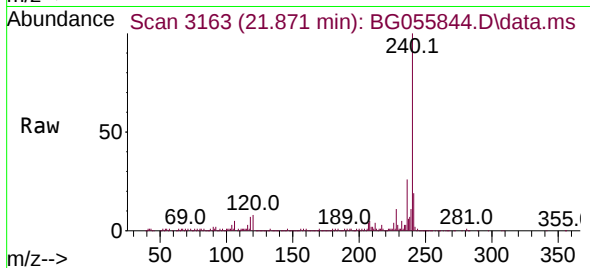
236 26.2 21.9 32.9

Manual Integrations

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Reviewed By :Christian Giraldo 12/01/2022

Supervised By :Jagrut Upadhyay 12/01/2022



#78

Pyrene

Concen: 11.327 ng

RT: 19.985 min Scan# 2842

Delta R.T. -0.003 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

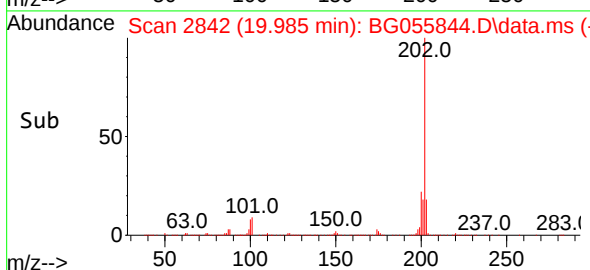
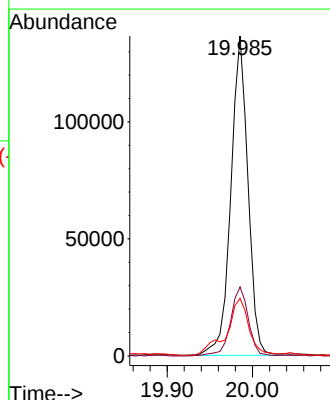
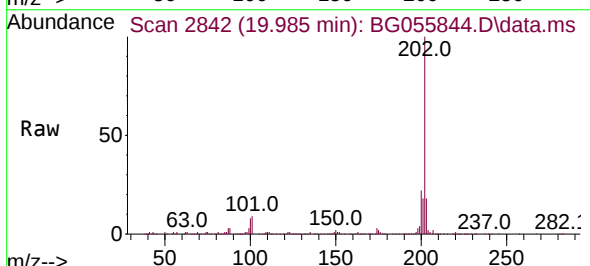
Tgt Ion:202 Resp: 190237

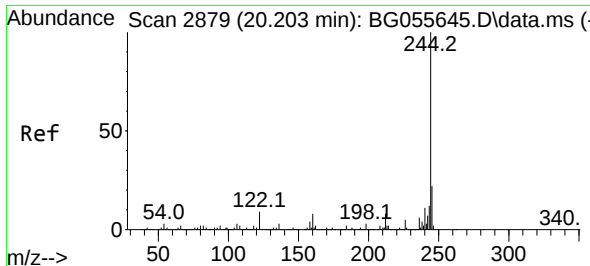
Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

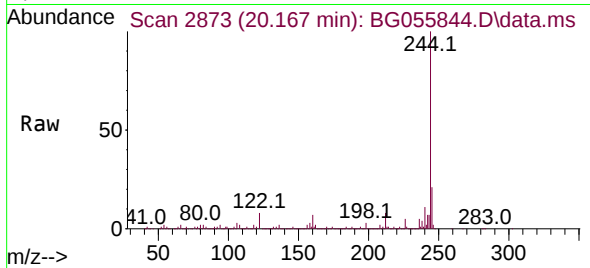
203 18.0 14.4 21.6





#79
 Terphenyl-d14
 Concen: 54.555 ng
 RT: 20.167 min Scan# 2879
 Delta R.T. -0.003 min
 Lab File: BG055844.D
 Acq: 30 Nov 2022 16:25

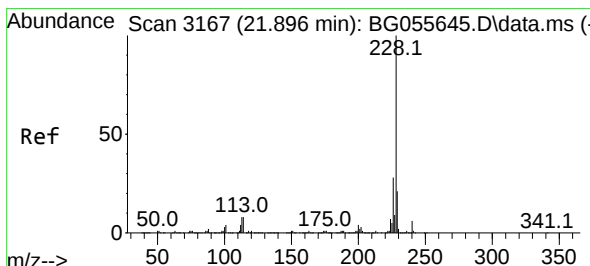
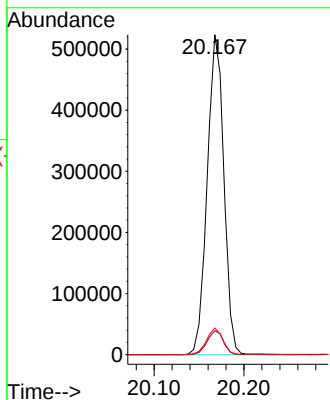
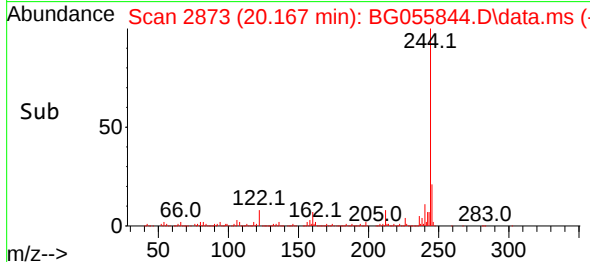
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3



Tgt Ion:244 Resp: 676788
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.3 9.5
 122 8.3 6.9 10.3

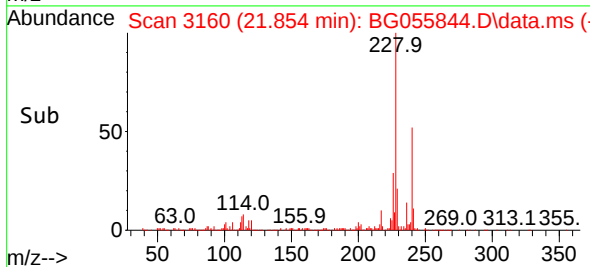
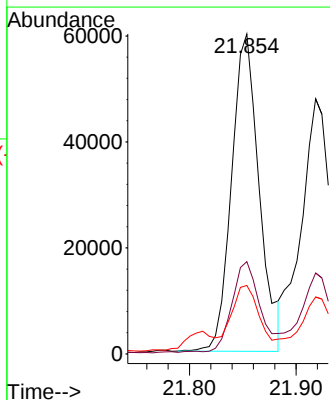
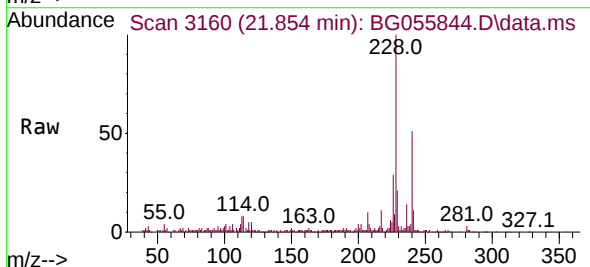
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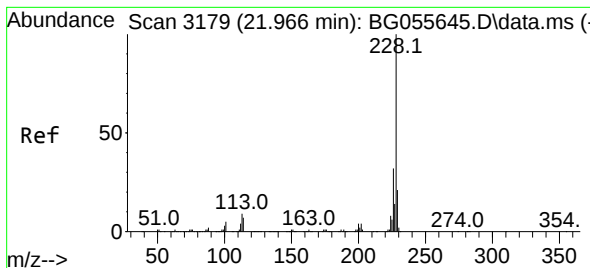
Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022



#81
 Benzo(a)anthracene
 Concen: 6.287 ng
 RT: 21.854 min Scan# 3160
 Delta R.T. -0.003 min
 Lab File: BG055844.D
 Acq: 30 Nov 2022 16:25

Tgt Ion:228 Resp: 107444
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.7 34.1
 229 21.4 16.5 24.7





#83

Chrysene

Concen: 5.663 ng

RT: 21.918 min Scan# 3171

Delta R.T. -0.008 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

Instrument :

BNA_G

ClientSampleId :

COMP-3

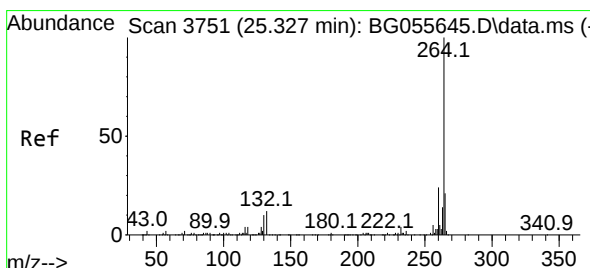
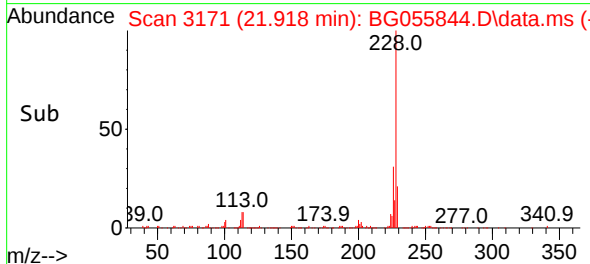
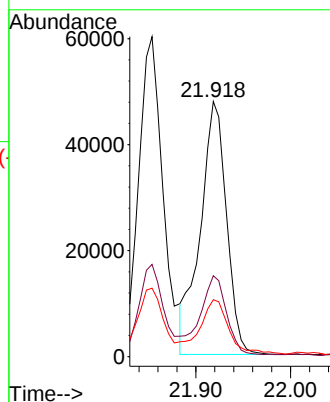
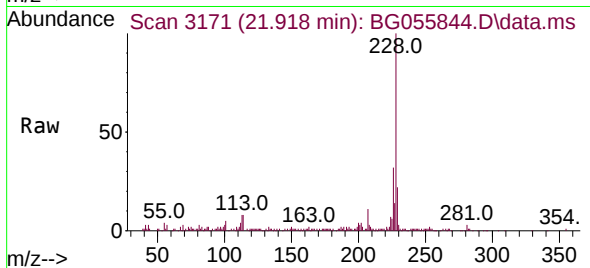
Tgt Ion:228	Resp:	92140
Ion Ratio	Lower	Upper
228	100	
226	31.7	25.4 38.2
229	22.3	17.1 25.7

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Reviewed By :Christian Giraldo 12/01/2022

Supervised By :Jagrut Upadhyay 12/01/2022



#86

Perylene-d12

Concen: 20.000 ng

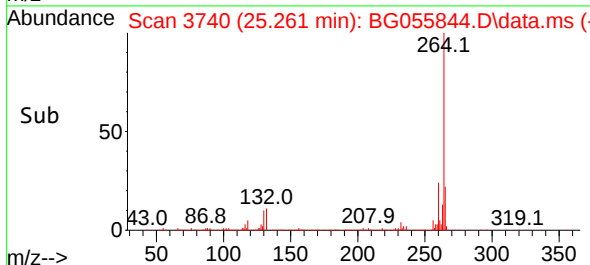
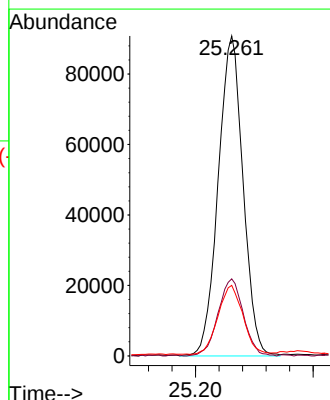
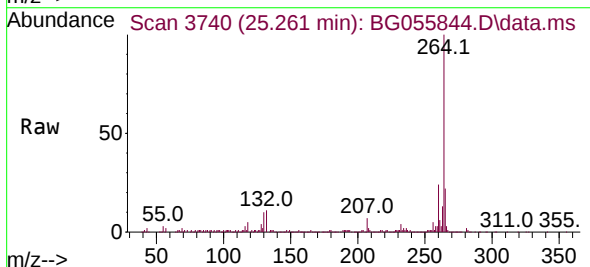
RT: 25.261 min Scan# 3740

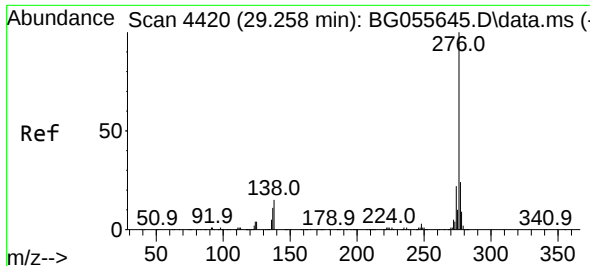
Delta R.T. 0.003 min

Lab File: BG055844.D

Acq: 30 Nov 2022 16:25

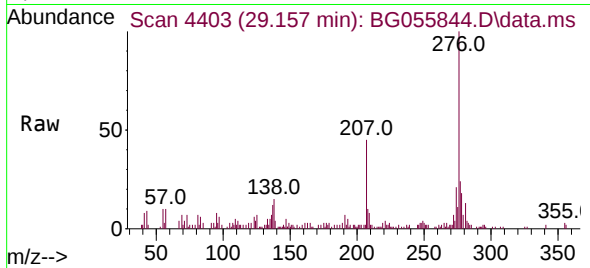
Tgt Ion:264	Resp:	265874
Ion Ratio	Lower	Upper
264	100	
260	24.1	19.5 29.3
265	22.0	17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.878 ng
RT: 29.157 min Scan# 4420
Delta R.T. -0.014 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

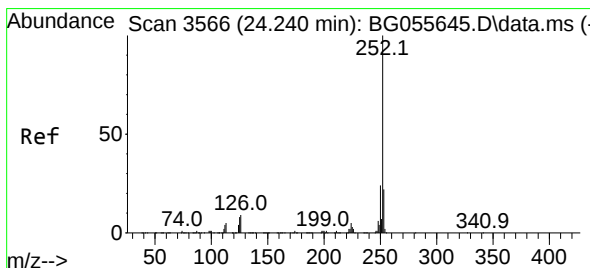
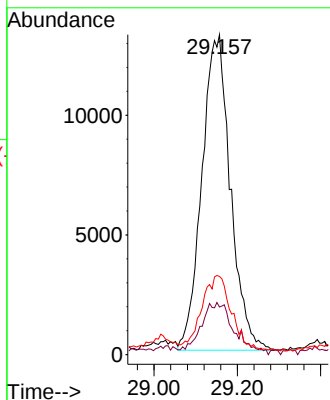
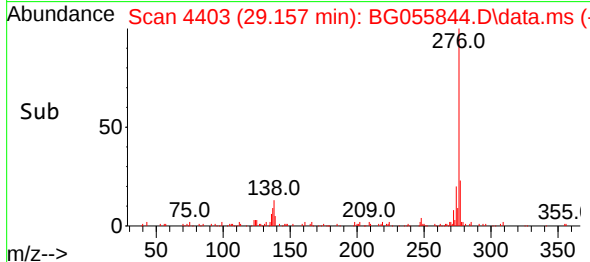
Instrument :
BNA_G
ClientSampleId :
COMP-3



Tgt Ion: 276 Resp: 62681
Ion Ratio Lower Upper
276 100
138 19.4 10.4 15.6
277 24.3 20.2 30.4

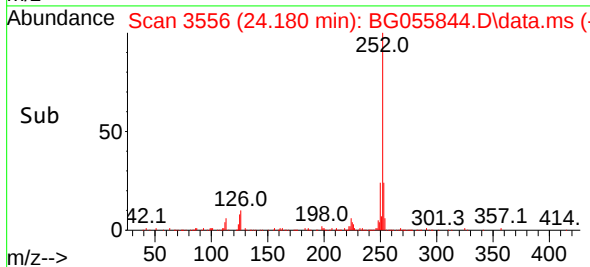
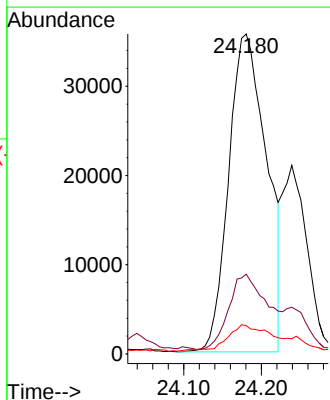
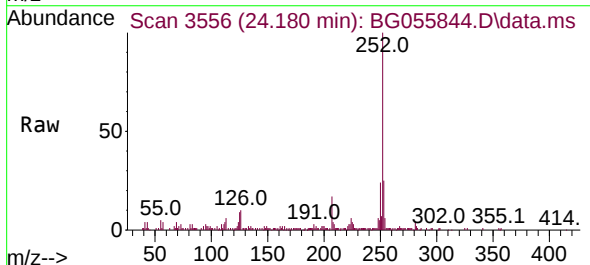
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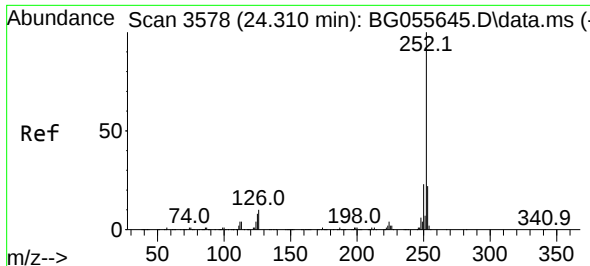
Reviewed By : Christian Giraldo 12/01/2022
Supervised By : Jagrut Upadhyay 12/01/2022



#88
Benzo(b)fluoranthene
Concen: 6.990 ng
RT: 24.180 min Scan# 3556
Delta R.T. 0.003 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

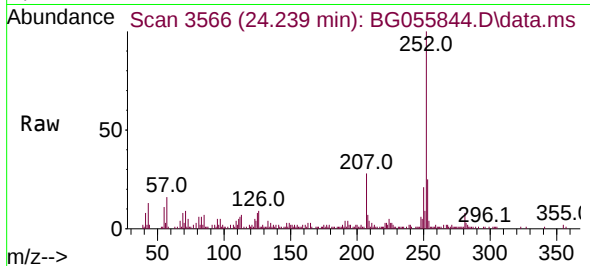
Tgt Ion: 252 Resp: 121037
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 8.8 6.2 9.2





#89
Benzo(k)fluoranthene
Concen: 2.727 ng m
RT: 24.239 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

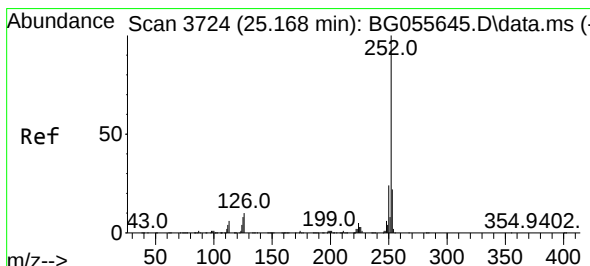
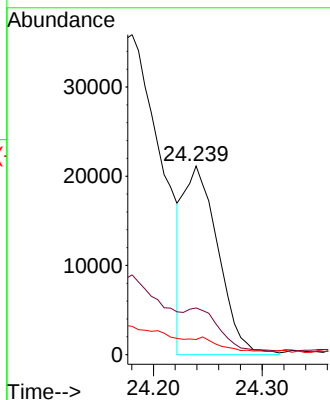
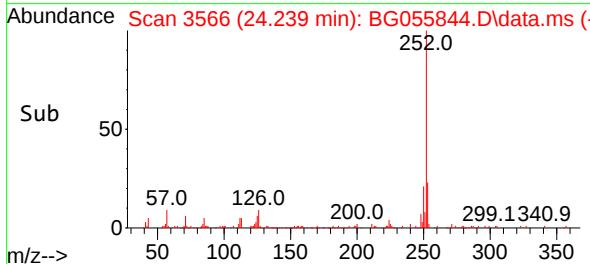
Instrument :
BNA_G
ClientSampleId :
COMP-3



Tgt Ion:252 Resp: 47065
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 8.1 6.1 9.1

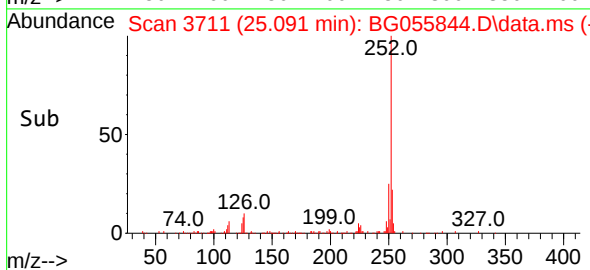
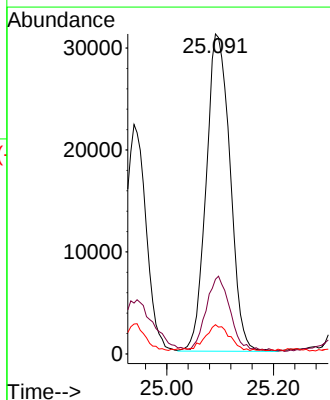
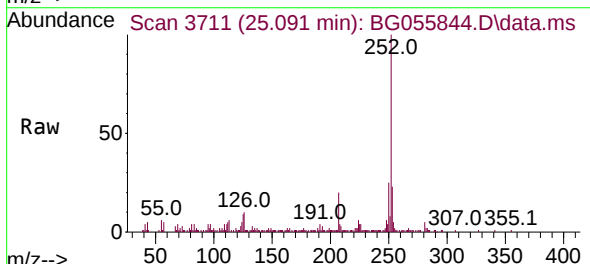
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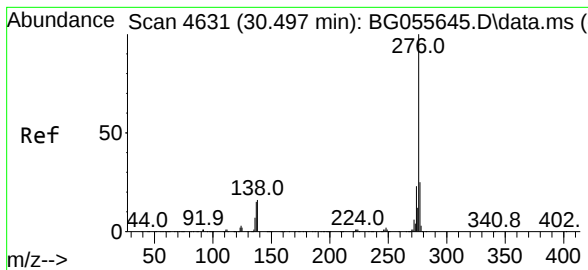
Reviewed By :Christian Giraldo 12/01/2022
Supervised By :Jagrut Upadhyay 12/01/2022



#90
Benzo(a)pyrene
Concen: 6.509 ng
RT: 25.091 min Scan# 3711
Delta R.T. -0.008 min
Lab File: BG055844.D
Acq: 30 Nov 2022 16:25

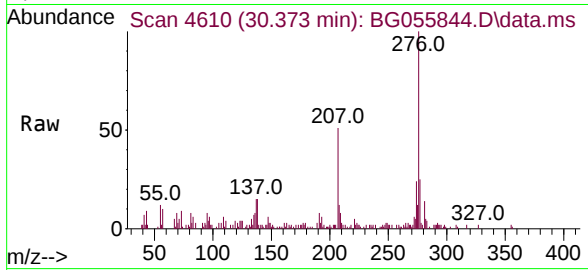
Tgt Ion:252 Resp: 96710
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 9.1 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.607 ng
 RT: 30.373 min Scan# 4631
 Delta R.T. -0.026 min
 Lab File: BG055844.D
 Acq: 30 Nov 2022 16:25

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3



Tgt Ion:276 Resp: 64700
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.8 29.6
 138 15.0 13.1 19.7

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Reviewed By :Christian Giraldo 12/01/2022
 Supervised By :Jagrut Upadhyay 12/01/2022

