

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
 Data File : BG055170.D
 Acq On : 13 Oct 2022 19:23
 Operator : CG/JU
 Sample : N5102-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-1-101122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/14/2022
 Supervised By : Jagrut Upadhyay 10/14/2022

Quant Time: Oct 14 01:28:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.305	152	49085	20.000	ng	0.00
21) Naphthalene-d8	11.137	136	199002	20.000	ng	0.00
39) Acenaphthene-d10	14.914	164	126937	20.000	ng	0.00
64) Phenanthrene-d10	17.647	188	253112	20.000	ng	0.00
76) Chrysene-d12	21.930	240	237387	20.000	ng	0.00
86) Perylene-d12	25.355	264	223345	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.825	112	120059	47.854	ng	0.00
7) Phenol-d6	7.435	99	160390	43.217	ng	0.00
23) Nitrobenzene-d5	9.474	82	103550	27.903	ng	0.00
42) 2,4,6-Tribromophenol	16.389	330	73439	40.264	ng	0.00
45) 2-Fluorobiphenyl	13.540	172	252682	32.518	ng	0.00
79) Terphenyl-d14	20.220	244	346304	29.381	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.688	178	61838	4.710	ng	97
75) Fluoranthene	19.674	202	69000	4.204	ng	100
78) Pyrene	20.032	202	75564	4.775	ng	98
81) Benzo(a)anthracene	21.906	228	36712	2.417	ng	# 91
83) Chrysene	21.977	228	38026m	2.654	ng	
88) Benzo(b)fluoranthene	24.262	252	42269	3.175	ng	# 77
90) Benzo(a)pyrene	25.191	252	31062	2.729	ng	# 88

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

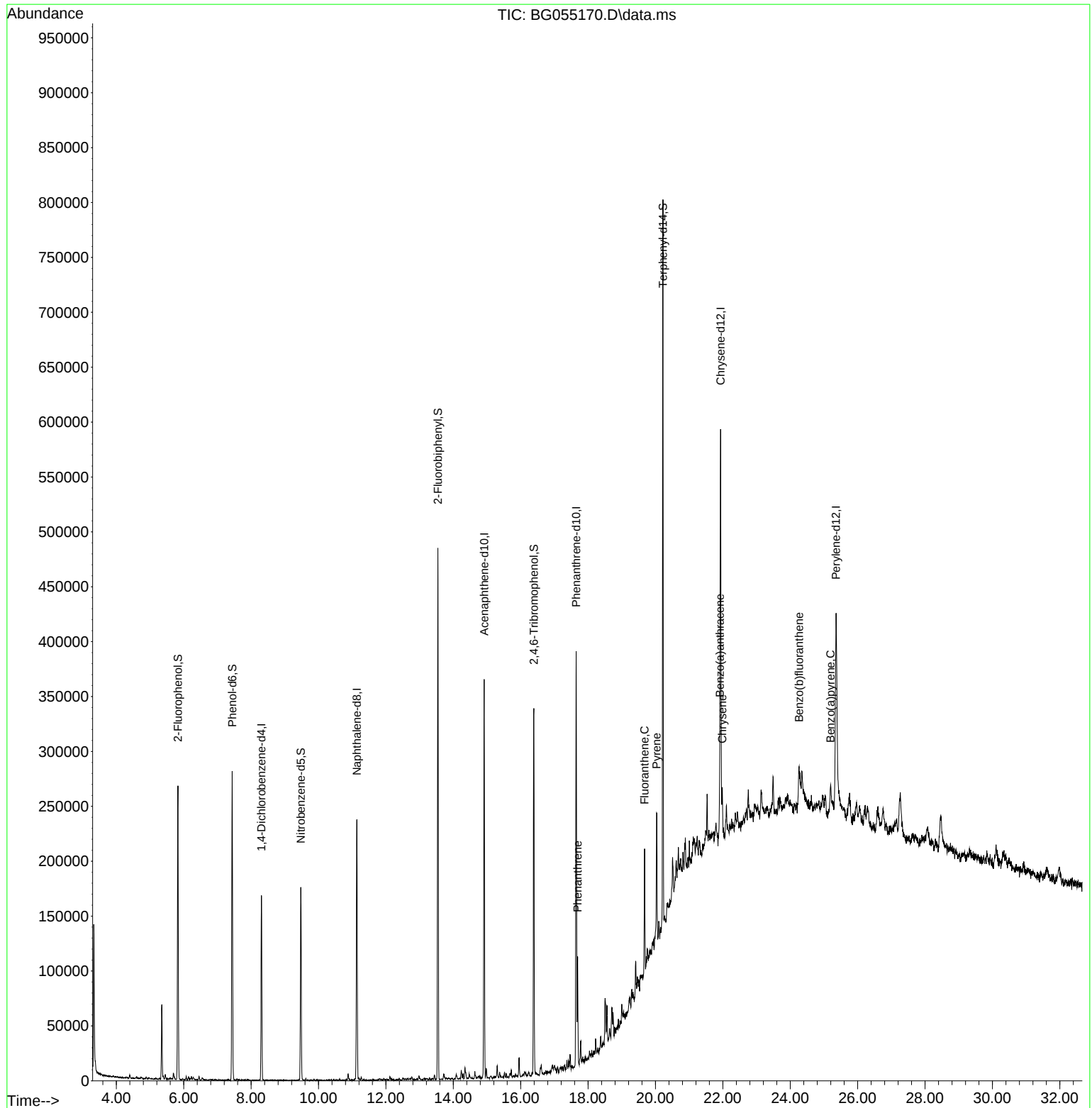
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055170.D
Acq On : 13 Oct 2022 19:23
Operator : CG/JU
Sample : N5102-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

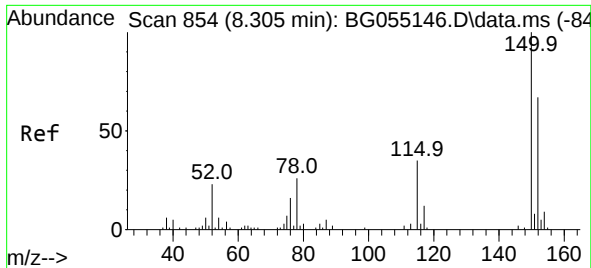
Instrument :
BNA_G
ClientSampleId :
CL-1-101122

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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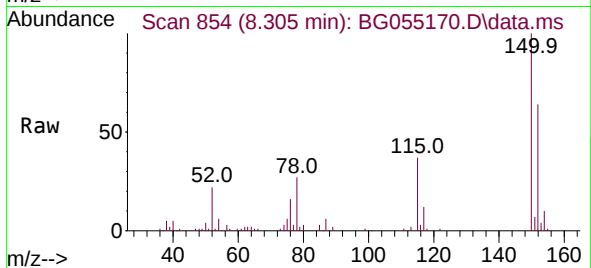
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.305 min Scan# 854
Delta R.T. -0.000 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

Instrument :

BNA_G

ClientSampleId :

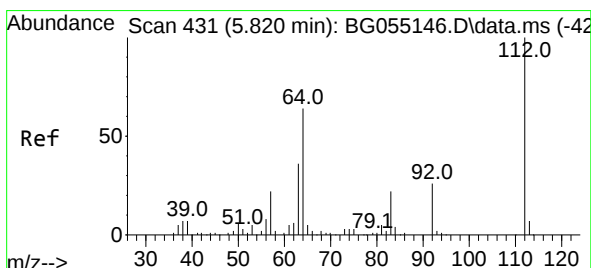
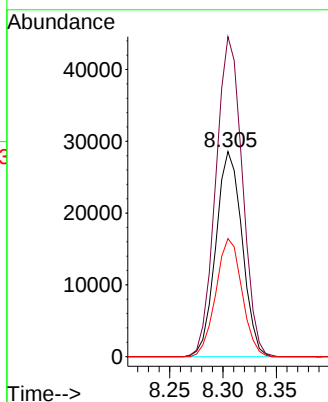
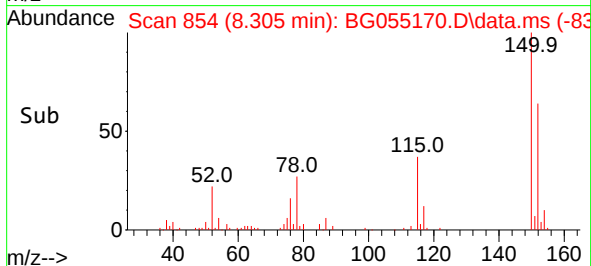
CL-1-101122



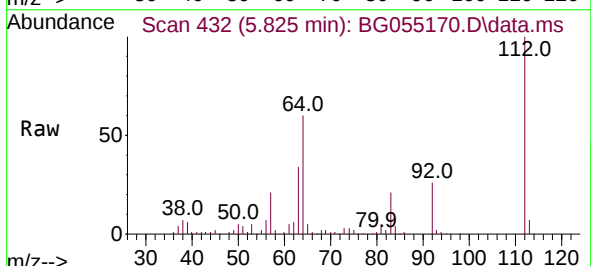
Tgt Ion:152 Resp: 49085
Ion Ratio Lower Upper
152 100
150 156.0 119.7 179.5
115 57.5 42.4 63.6

Manual Integrations
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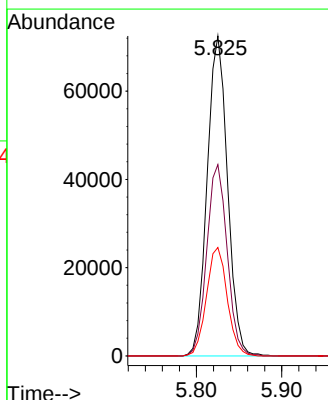
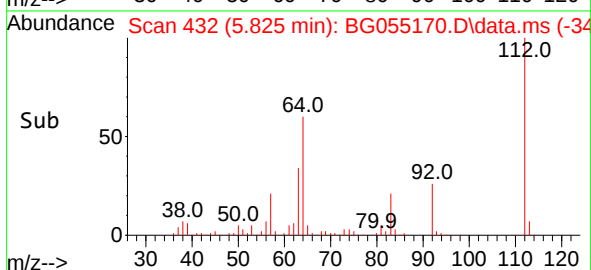
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

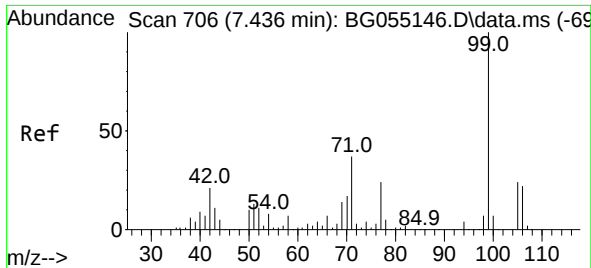


#5
2-Fluorophenol
Concen: 47.854 ng
RT: 5.825 min Scan# 432
Delta R.T. 0.005 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23



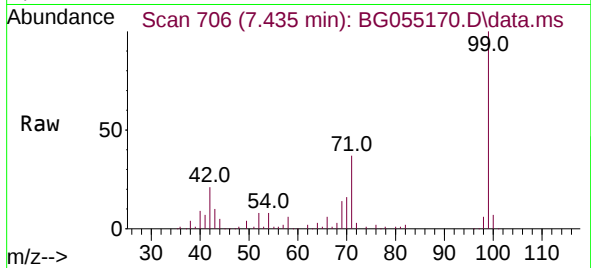
Tgt Ion:112 Resp: 120059
Ion Ratio Lower Upper
112 100
64 59.8 50.9 76.3
63 33.9 29.0 43.6





#7
Phenol-d6
Concen: 43.217 ng
RT: 7.435 min Scan# 706
Delta R.T. -0.001 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

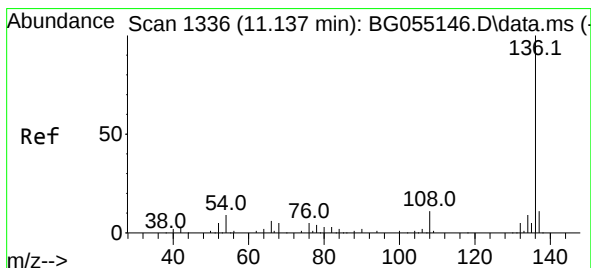
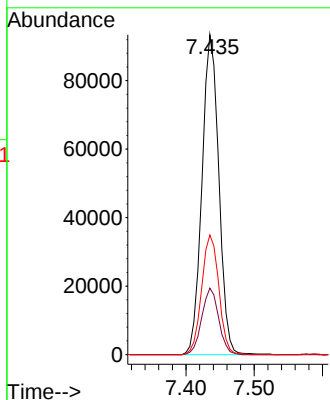
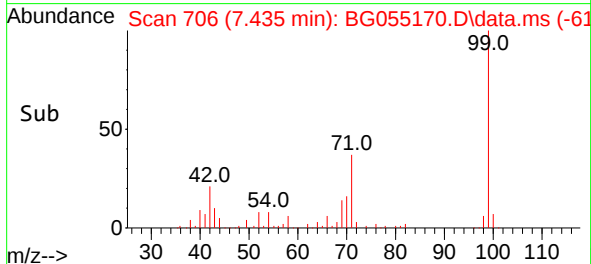
Instrument :
BNA_G
ClientSampleId :
CL-1-101122



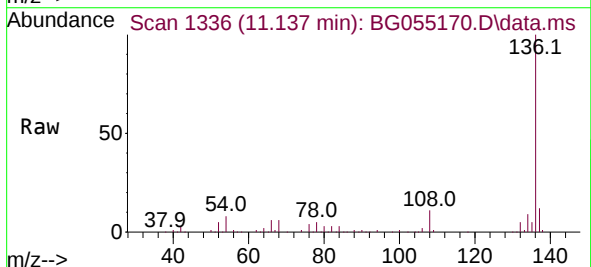
Tgt Ion: 99 Resp: 160390
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 37.4 29.6 44.4

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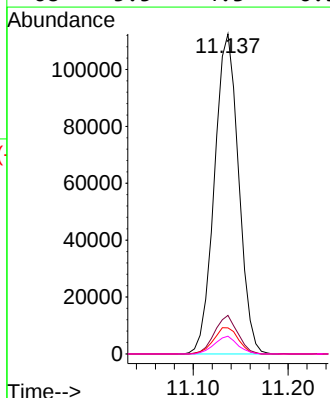
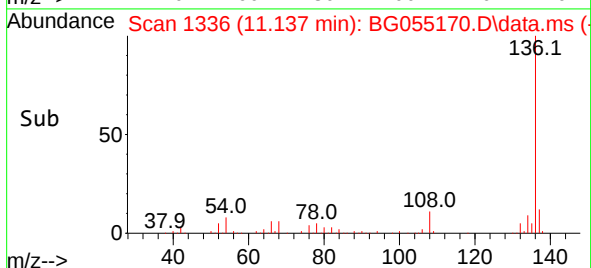
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

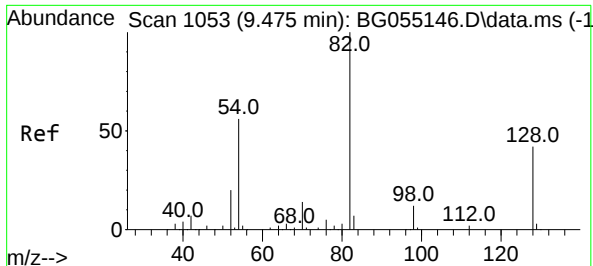


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.137 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23



Tgt Ion:136 Resp: 199002
Ion Ratio Lower Upper
136 100
137 12.0 9.1 13.7
54 8.1 7.0 10.6
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 27.903 ng

RT: 9.474 min Scan# 1053

Delta R.T. -0.001 min

Lab File: BG055170.D

Acq: 13 Oct 2022 19:23

Instrument :

BNA_G

ClientSampleId :

CL-1-101122

Tgt Ion: 82 Resp: 103550

Ion Ratio Lower Upper

82 100

128 41.7 33.5 50.3

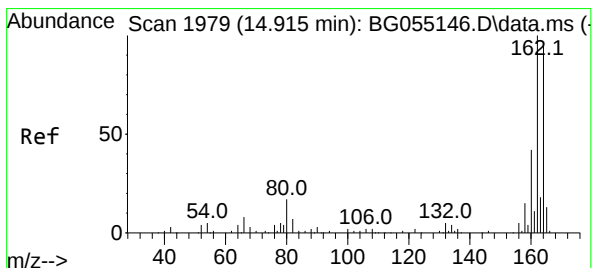
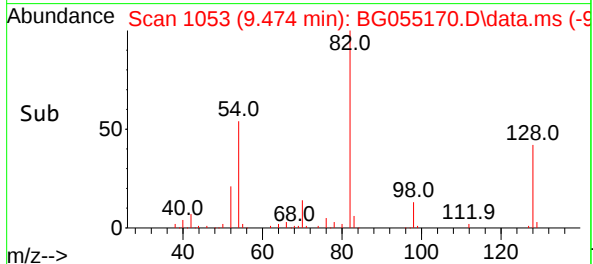
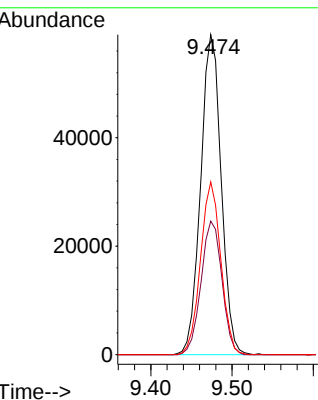
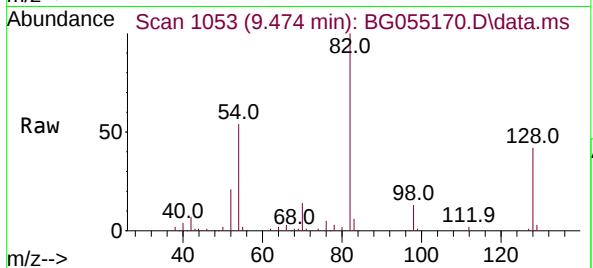
54 54.0 44.7 67.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.914 min Scan# 1979

Delta R.T. -0.001 min

Lab File: BG055170.D

Acq: 13 Oct 2022 19:23

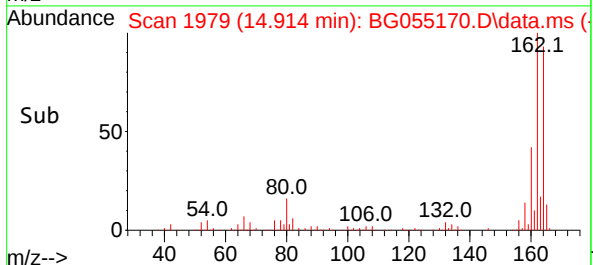
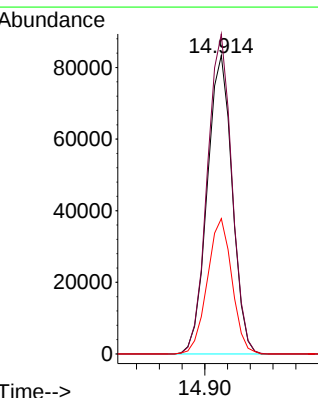
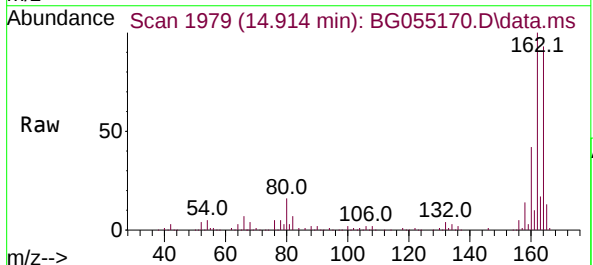
Tgt Ion:164 Resp: 126937

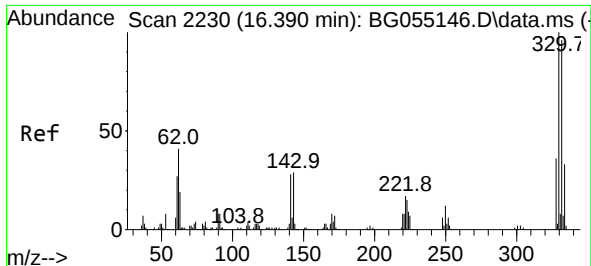
Ion Ratio Lower Upper

164 100

162 107.2 83.3 124.9

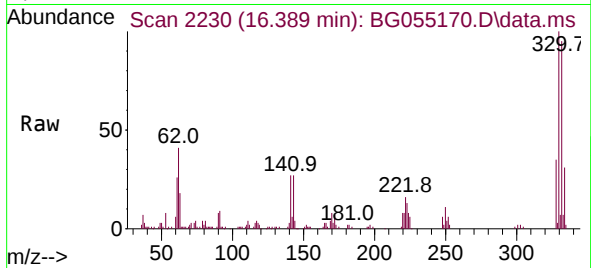
160 45.3 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 40.264 ng
RT: 16.389 min Scan# 2230
Delta R.T. -0.001 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

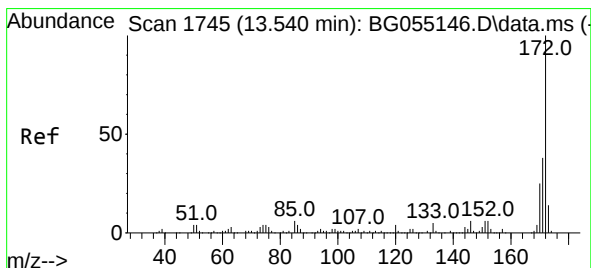
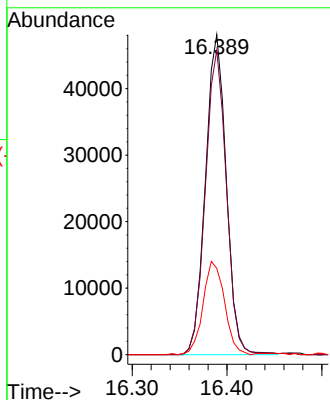
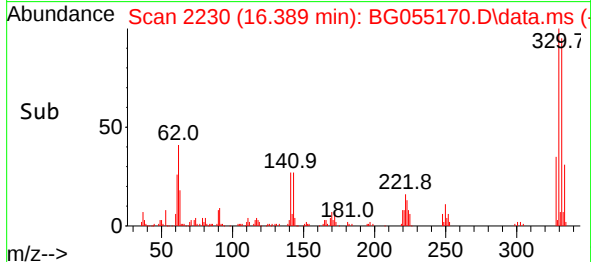
Instrument :
BNA_G
ClientSampleId :
CL-1-101122



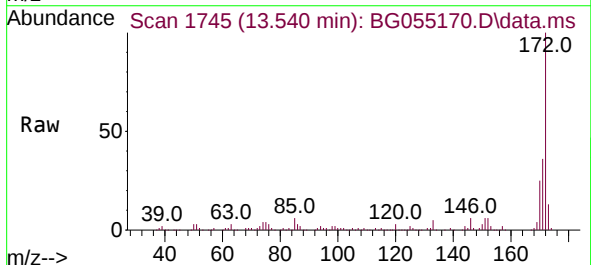
Tgt Ion: 330 Resp: 73439
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 30.1 24.6 36.8

Manual Integrations
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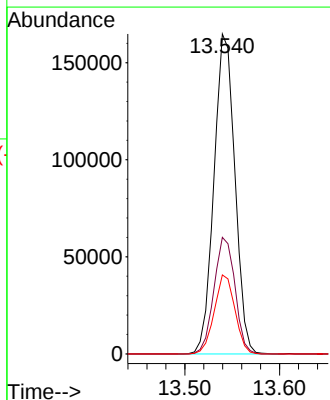
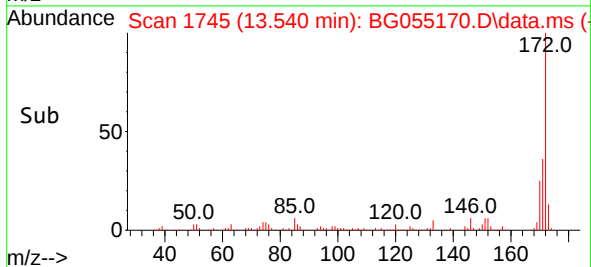
Reviewed By : Christian Giraldo 10/14/2022
Supervised By : Jagrut Upadhyay 10/14/2022

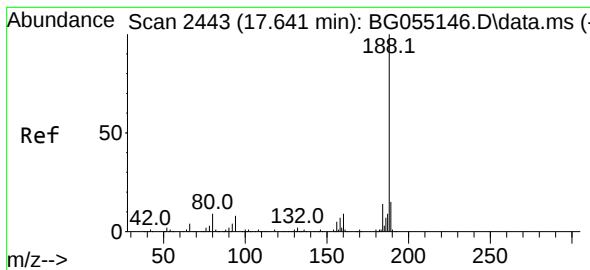


#45
2-Fluorobiphenyl
Concen: 32.518 ng
RT: 13.540 min Scan# 1745
Delta R.T. -0.001 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23



Tgt Ion: 172 Resp: 252682
Ion Ratio Lower Upper
172 100
171 36.4 30.1 45.1
170 24.7 19.8 29.6





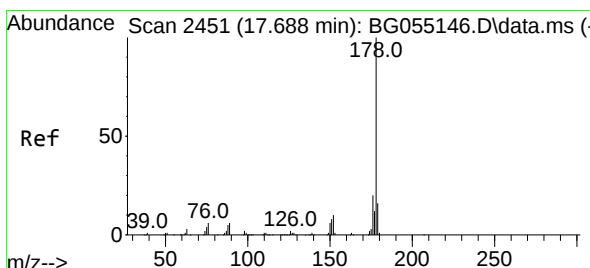
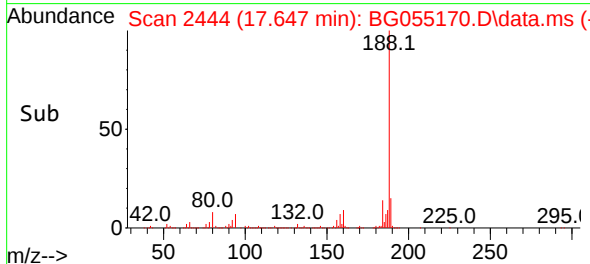
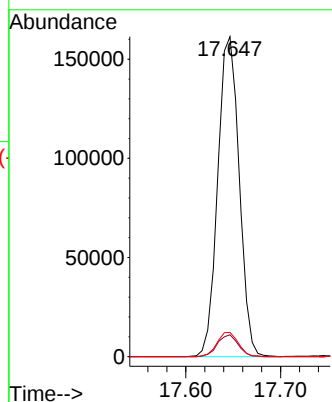
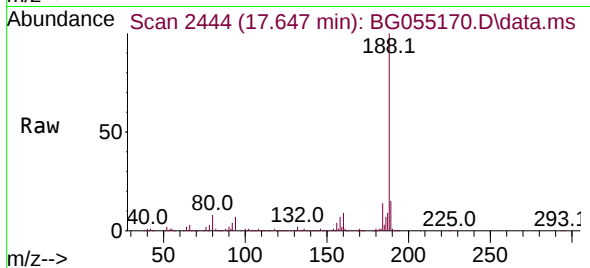
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.647 min Scan# 2444
Delta R.T. 0.005 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

Instrument :
BNA_G
ClientSampleId :
CL-1-101122

Tgt Ion:188 Resp: 253112
Ion Ratio Lower Upper
188 100
94 6.8 6.2 9.2
80 7.6 7.0 10.6

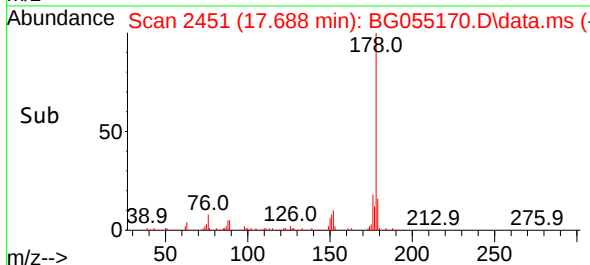
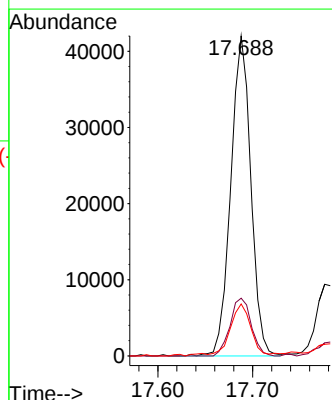
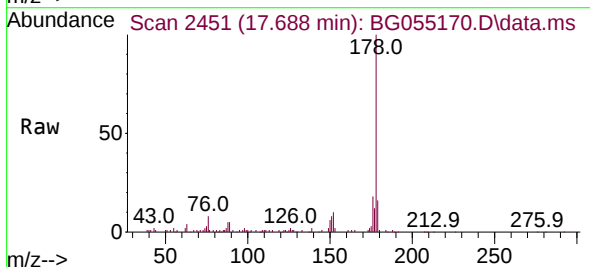
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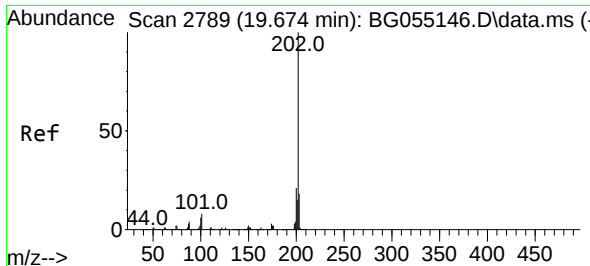
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#71
Phenanthrene
Concen: 4.710 ng
RT: 17.688 min Scan# 2451
Delta R.T. -0.001 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

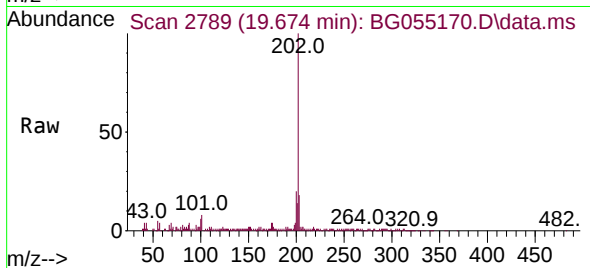
Tgt Ion:178 Resp: 61838
Ion Ratio Lower Upper
178 100
176 18.0 16.0 24.0
179 16.2 12.7 19.1





#75
Fluoranthene
Concen: 4.204 ng
RT: 19.674 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

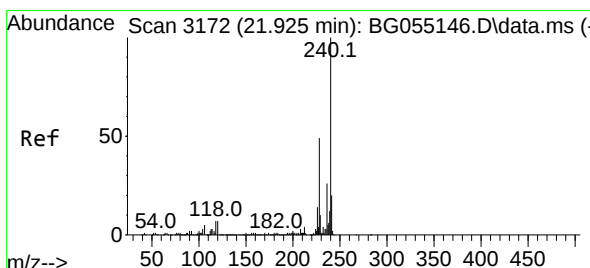
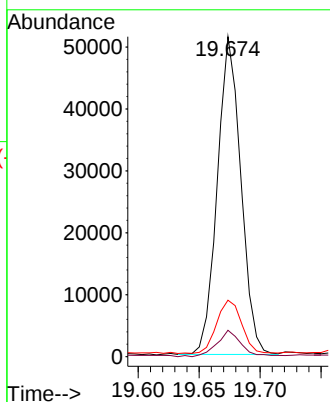
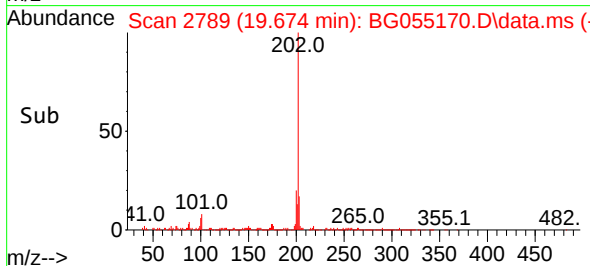
Instrument :
BNA_G
ClientSampleId :
CL-1-101122



Tgt Ion:202 Resp: 69000
Ion Ratio Lower Upper
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101 8.2 0.0 28.4
203 17.6 0.0 37.8

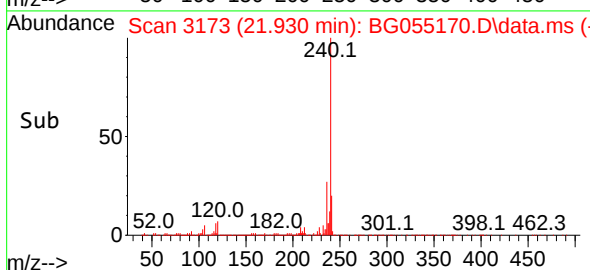
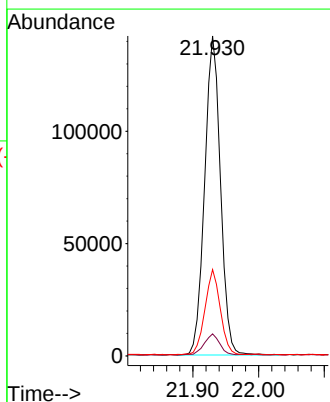
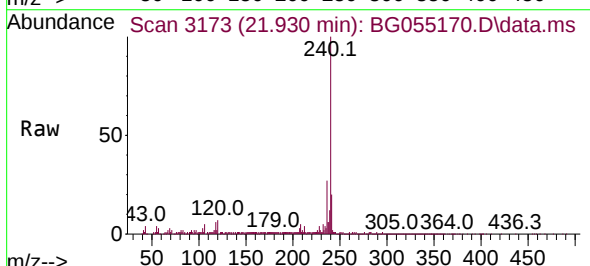
Manual Integrations
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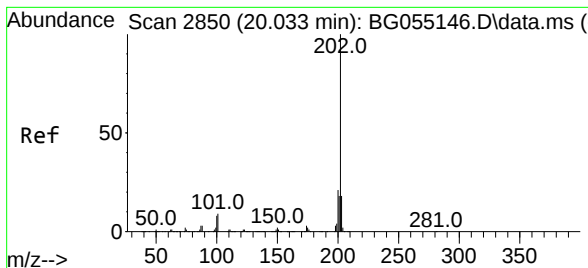
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.930 min Scan# 3173
Delta R.T. 0.005 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

Tgt Ion:240 Resp: 237387
Ion Ratio Lower Upper
240 100
120 6.9 5.4 8.0
236 27.0 20.6 31.0





#78

Pyrene

Concen: 4.775 ng

RT: 20.032 min Scan# 2850

Delta R.T. -0.001 min

Lab File: BG055170.D

Acq: 13 Oct 2022 19:23

Instrument :

BNA_G

ClientSampleId :

CL-1-101122

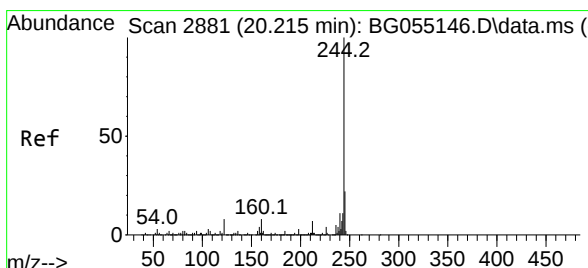
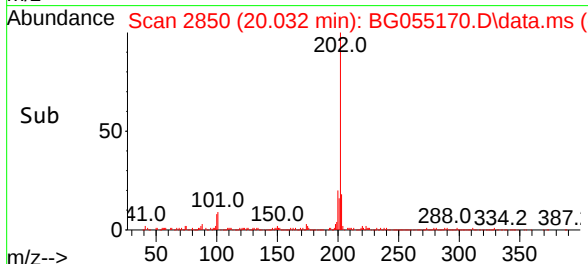
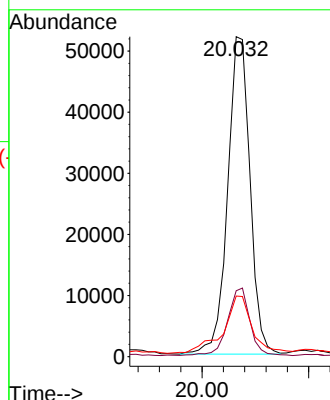
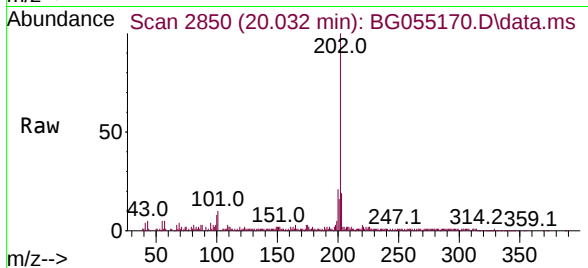
Tgt Ion:	202	Resp:	75564
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.9	25.3
203	18.9	14.4	21.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 29.381 ng

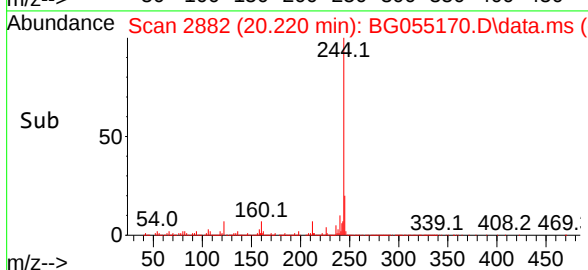
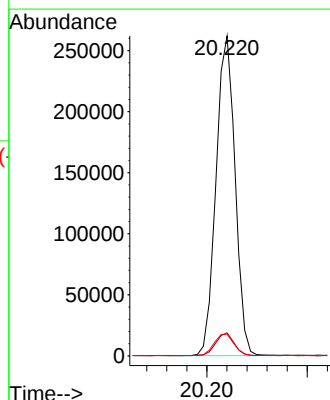
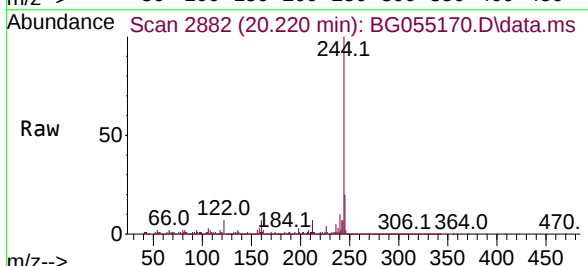
RT: 20.220 min Scan# 2882

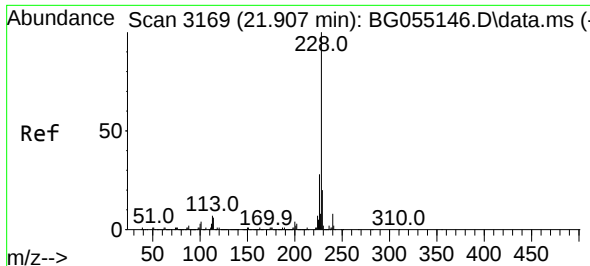
Delta R.T. 0.005 min

Lab File: BG055170.D

Acq: 13 Oct 2022 19:23

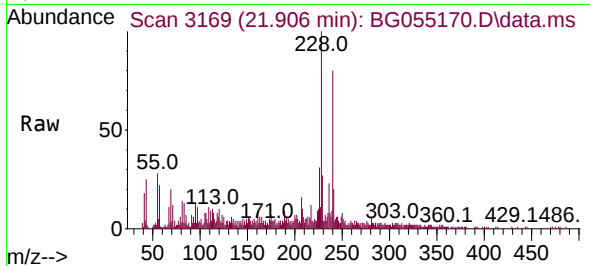
Tgt Ion:	244	Resp:	346304
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.9	8.9
122	6.8	6.6	10.0





#81
Benzo(a)anthracene
Concen: 2.417 ng
RT: 21.906 min Scan# 3169
Delta R.T. -0.001 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

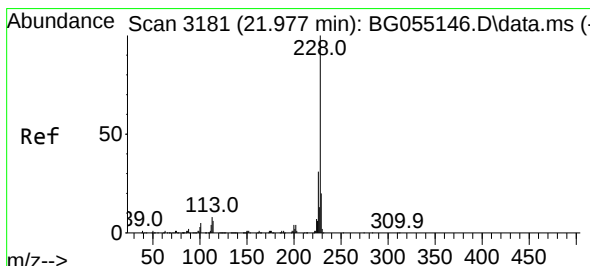
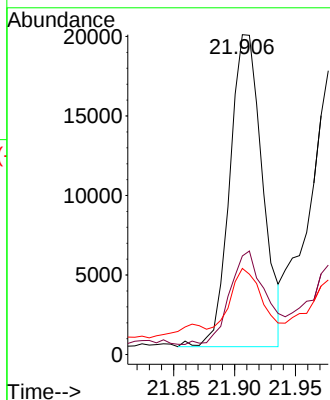
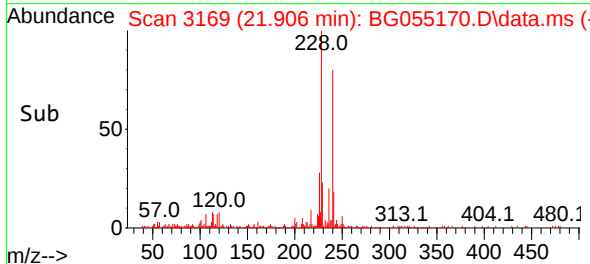
Instrument :
BNA_G
ClientSampleId :
CL-1-101122



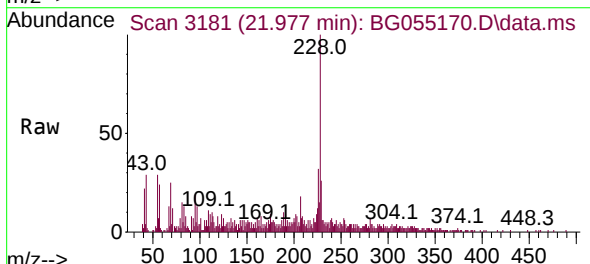
Tgt Ion:228 Resp: 36712
Ion Ratio Lower Upper
228 100
226 30.8 22.6 34.0
229 26.9 16.2 24.4

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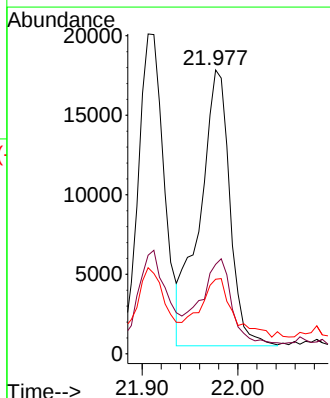
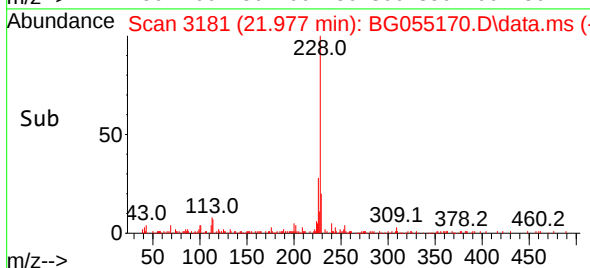
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

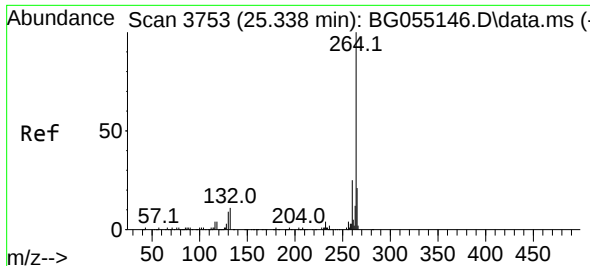


#83
Chrysene
Concen: 2.654 ng m
RT: 21.977 min Scan# 3181
Delta R.T. -0.001 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23



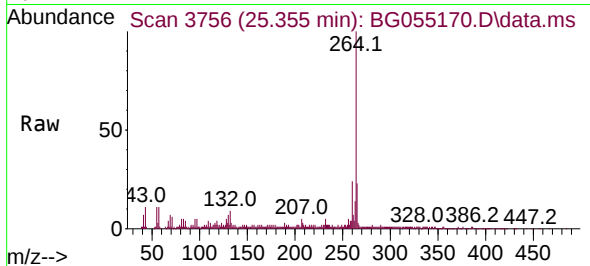
Tgt Ion:228 Resp: 38026
Ion Ratio Lower Upper
228 100
226 31.5 25.1 37.7
229 26.3 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.355 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

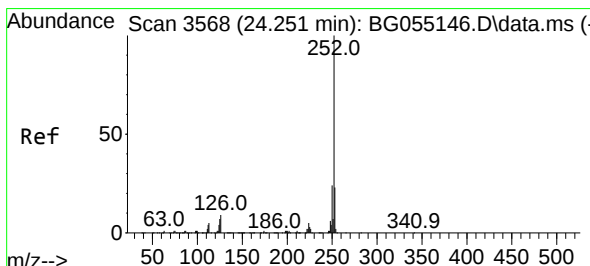
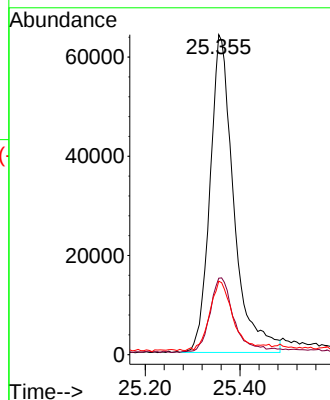
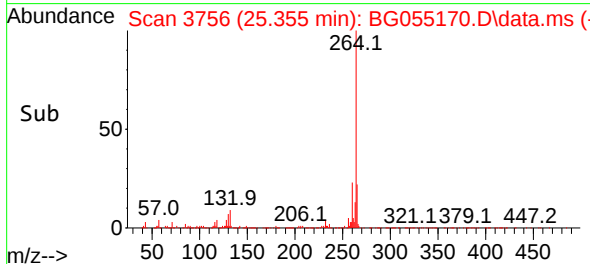
Instrument :
BNA_G
ClientSampleId :
CL-1-101122



Tgt Ion:264 Resp: 223345
Ion Ratio Lower Upper
264 100
260 23.9 20.1 30.1
265 22.9 16.8 25.2

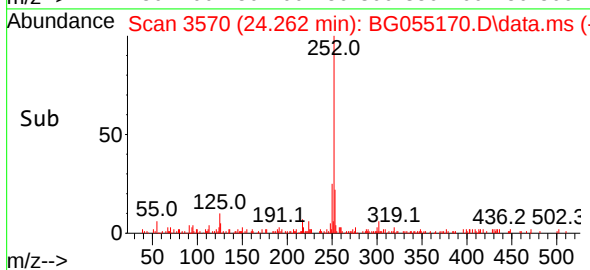
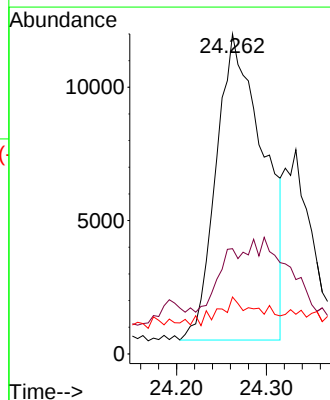
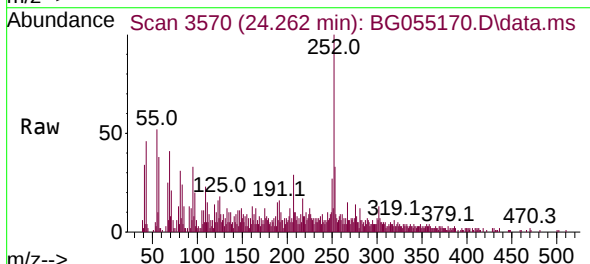
Manual Integrations
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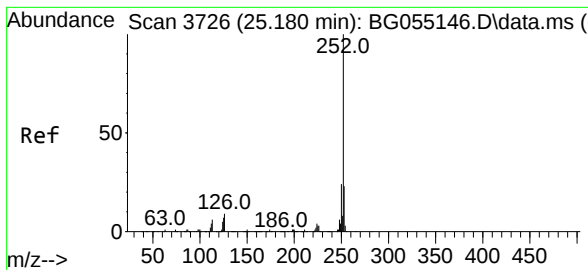
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#88
Benzo(b)fluoranthene
Concen: 3.175 ng
RT: 24.262 min Scan# 3570
Delta R.T. 0.011 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

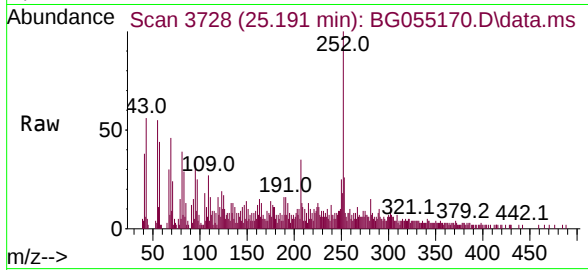
Tgt Ion:252 Resp: 42269
Ion Ratio Lower Upper
252 100
253 32.9 18.2 27.2#
125 17.8 5.7 8.5#





#90
Benzo(a)pyrene
Concen: 2.729 ng
RT: 25.191 min Scan# 3106
Delta R.T. 0.011 min
Lab File: BG055170.D
Acq: 13 Oct 2022 19:23

Instrument :
BNA_G
ClientSampleId :
CL-1-101122



Tgt Ion:252 Resp: 31062
Ion Ratio Lower Upper
252 100
253 25.7 18.2 27.2
125 17.4 5.8 8.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

