

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112522\
 Data File : BG055795.D
 Acq On : 26 Nov 2022 00:51
 Operator : CG/JU
 Sample : N5779-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-112322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/28/2022
 Supervised By : Jagrut Upadhyay 11/29/2022

Quant Time: Nov 26 01:24:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 06:05:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.232	152	57015	20.000	ng	0.00
21) Naphthalene-d8	11.064	136	221620	20.000	ng	0.00
39) Acenaphthene-d10	14.860	164	138850	20.000	ng	0.00
64) Phenanthrene-d10	17.598	188	290205	20.000	ng	0.00
76) Chrysene-d12	21.892	240	276315	20.000	ng	0.00
86) Perylene-d12	25.294	264	292957	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.770	112	297577	94.339	ng	0.00
7) Phenol-d6	7.386	99	376326	89.625	ng	0.00
23) Nitrobenzene-d5	9.407	82	239203	57.048	ng	0.00
42) 2,4,6-Tribromophenol	16.340	330	160231	81.952	ng	0.00
45) 2-Fluorobiphenyl	13.479	172	549683	59.308	ng	0.00
79) Terphenyl-d14	20.183	244	802405	58.083	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.639	178	100734	6.432	ng	98
75) Fluoranthene	19.636	202	173956	9.130	ng	99
78) Pyrene	20.001	202	181709	9.715	ng	99
81) Benzo(a)anthracene	21.869	228	99886	5.248	ng	98
83) Chrysene	21.939	228	100165	5.529	ng	98
87) Indeno(1,2,3-cd)pyrene	29.207	276	71463	2.978	ng	# 93
88) Benzo(b)fluoranthene	24.207	252	139686	7.321	ng	# 93
89) Benzo(k)fluoranthene	24.272	252	49682m	2.612	ng	
90) Benzo(a)pyrene	25.130	252	106241	6.489	ng	# 93
92) Benzo(g,h,i)perylene	30.447	276	74831	3.786	ng	92

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

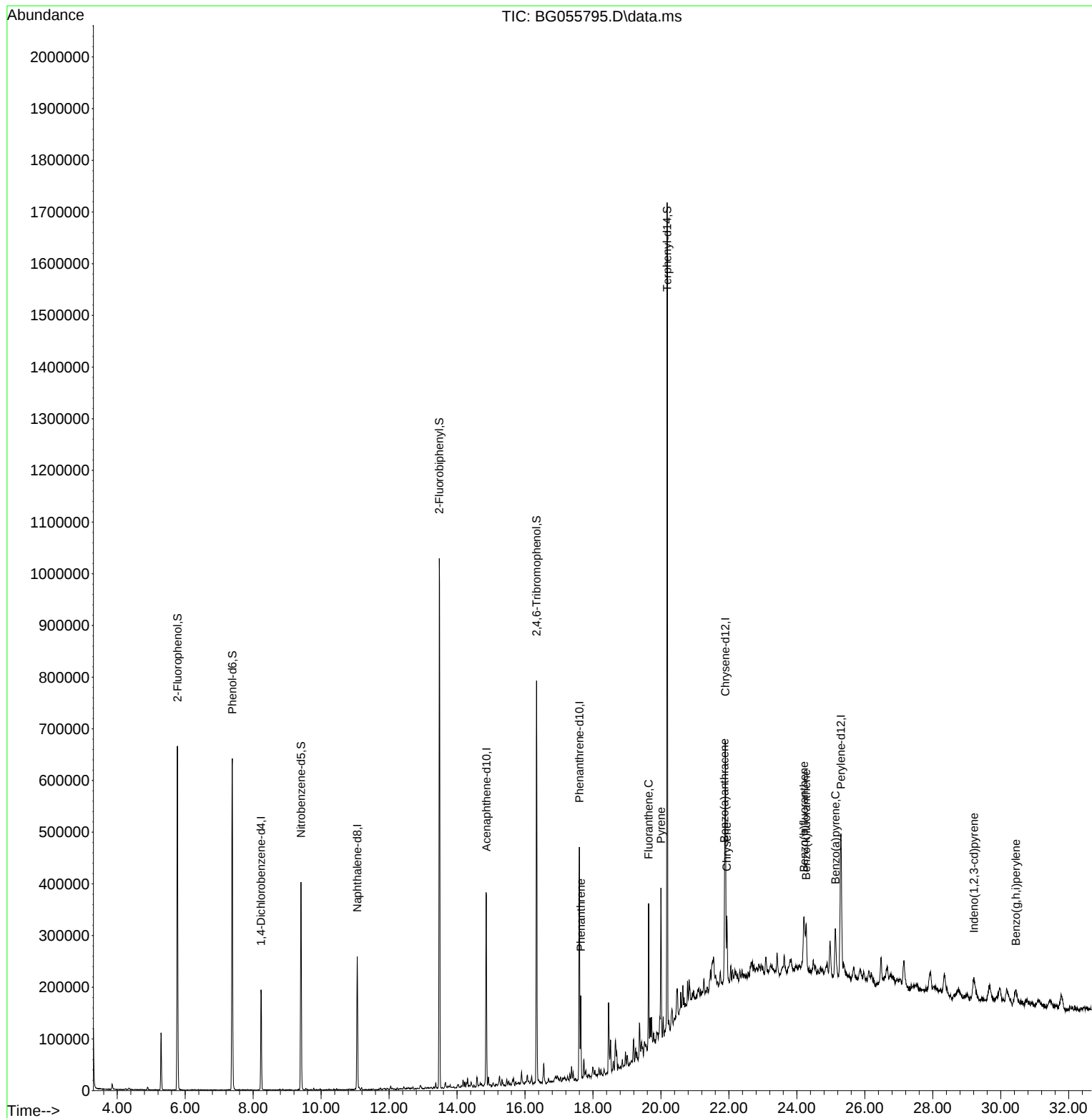
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112522\
Data File : BG055795.D
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Quant Time: Nov 26 01:24:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 06:05:02 2022
Response via : Initial Calibration

Manual Integrations
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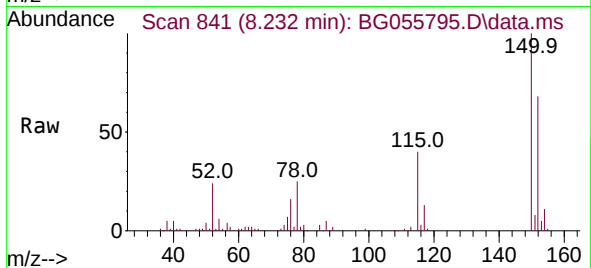
Reviewed By : Christian Giraldo 11/28/2022
Supervised By : Jagrut Upadhyay 11/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.232 min Scan# 845
Delta R.T. -0.004 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

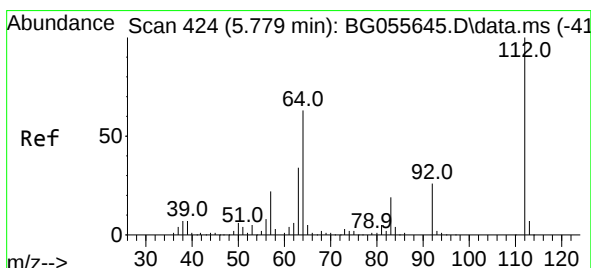
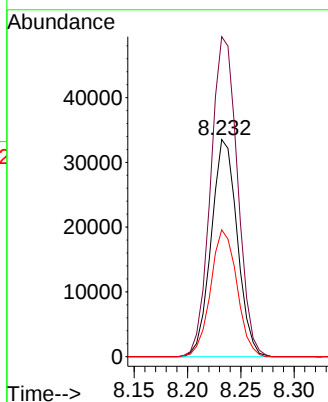
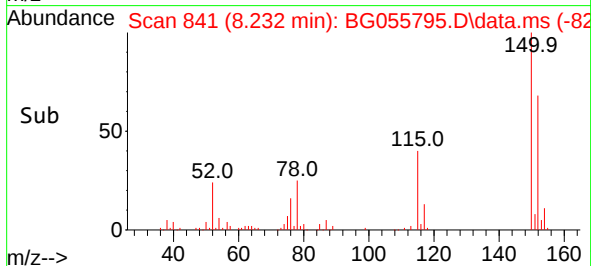
Instrument :
BNA_G
ClientSampleId :
CL-01-112322



Tgt Ion:152 Resp: 57015
Ion Ratio Lower Upper
152 100
150 147.4 123.0 184.6
115 58.4 47.0 70.4

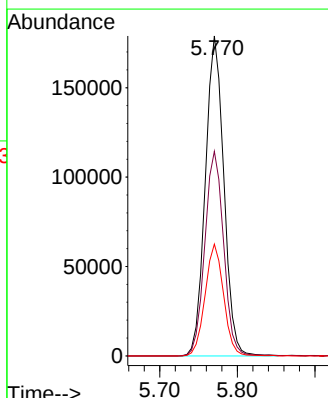
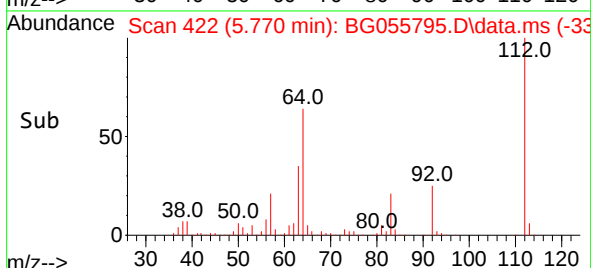
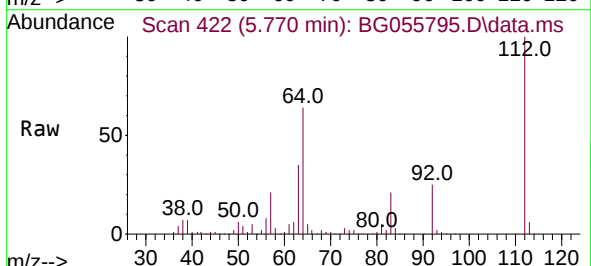
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#5
2-Fluorophenol
Concen: 94.339 ng
RT: 5.770 min Scan# 422
Delta R.T. 0.002 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Tgt Ion:112 Resp: 297577
Ion Ratio Lower Upper
112 100
64 63.9 50.6 76.0
63 34.9 27.5 41.3





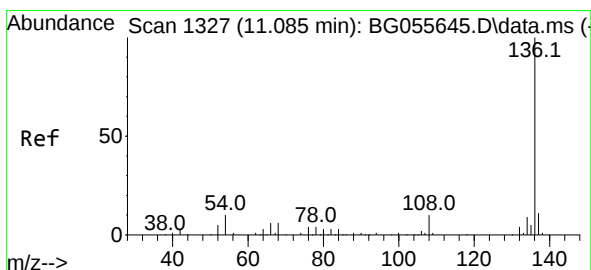
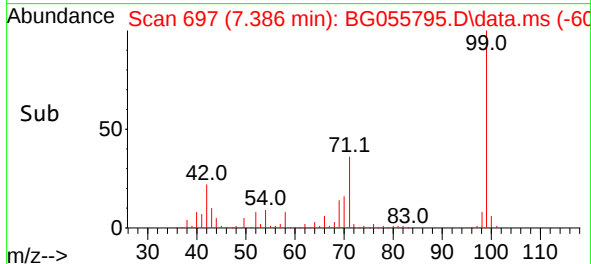
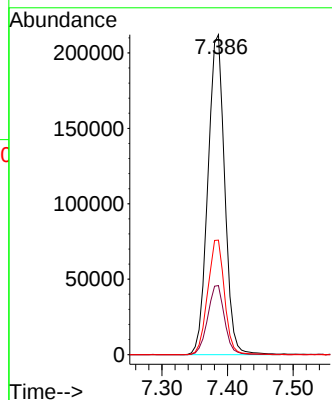
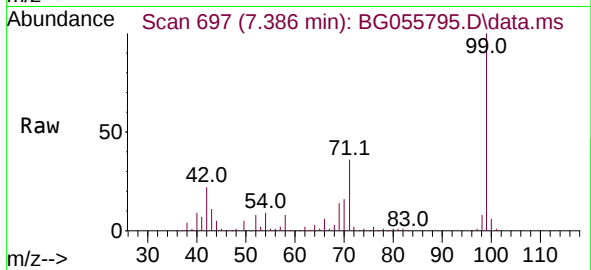
#7
Phenol-d6
Concen: 89.625 ng
RT: 7.386 min Scan# 69
Delta R.T. 0.002 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Instrument :
BNA_G
ClientSampleId :
CL-01-112322

Tgt Ion: 99 Resp: 376326
Ion Ratio Lower Upper
99 100
42 21.6 18.0 27.0
71 35.8 29.0 43.6

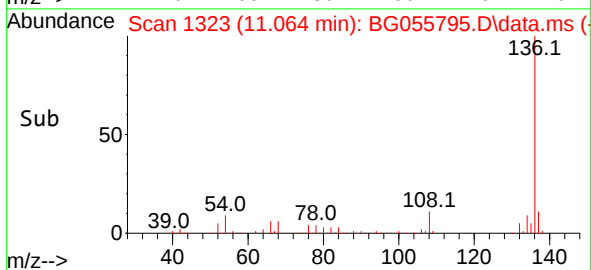
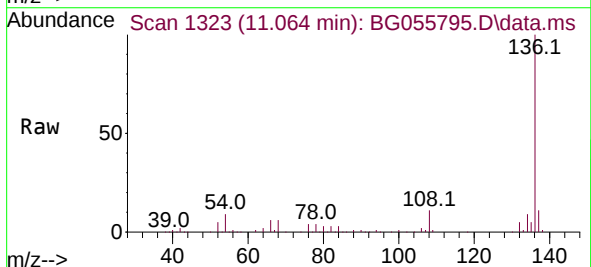
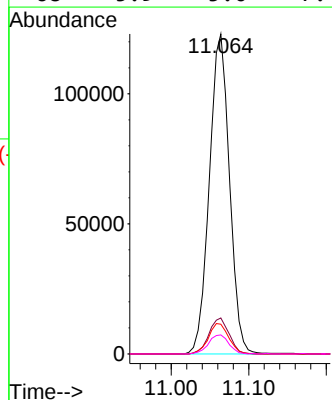
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.064 min Scan# 1323
Delta R.T. -0.004 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Tgt Ion:136 Resp: 221620
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 9.3 7.8 11.6
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 57.048 ng

RT: 9.407 min Scan# 1045

Delta R.T. -0.003 min

Lab File: BG055795.D

Acq: 26 Nov 2022 00:51

Instrument :

BNA_G

ClientSampleId :

CL-01-112322

Tgt Ion: 82 Resp: 239203

Ion Ratio Lower Upper

82 100

128 43.7 34.1 51.1

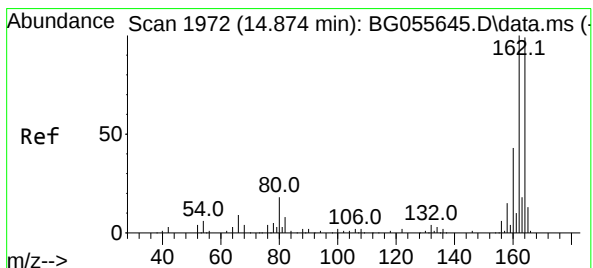
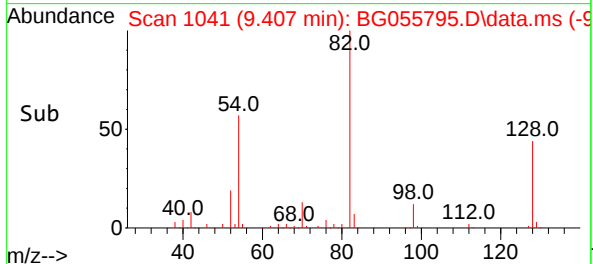
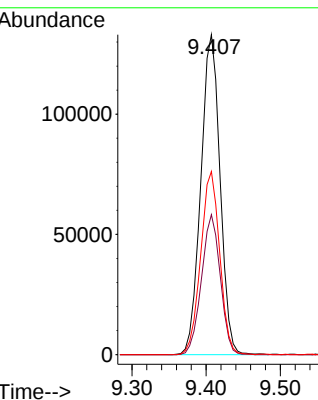
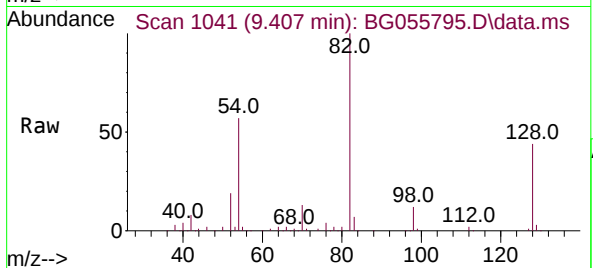
54 57.2 47.3 70.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.860 min Scan# 1969

Delta R.T. -0.003 min

Lab File: BG055795.D

Acq: 26 Nov 2022 00:51

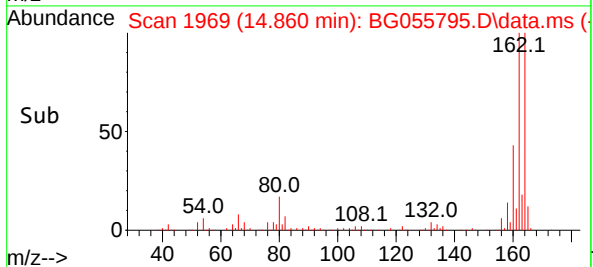
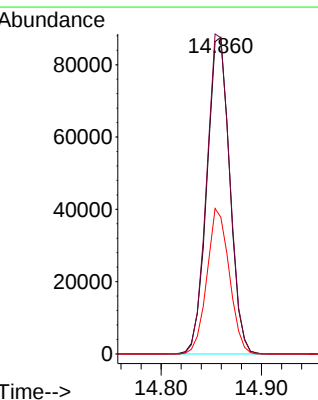
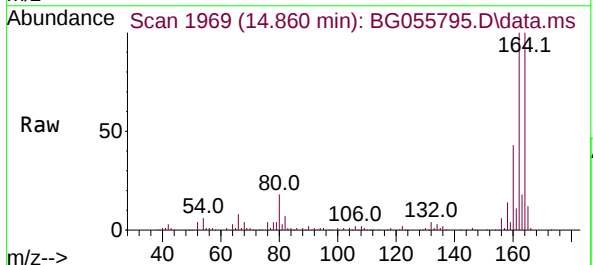
Tgt Ion:164 Resp: 138850

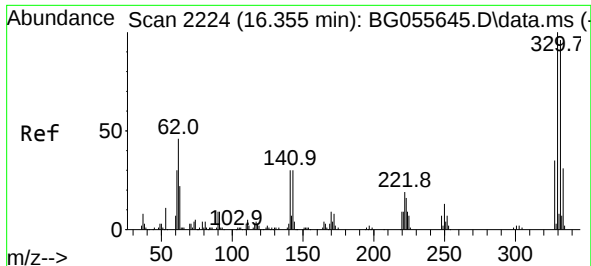
Ion Ratio Lower Upper

164 100

162 99.8 81.1 121.7

160 43.1 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 81.952 ng
RT: 16.340 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Instrument :

BNA_G

ClientSampleId :

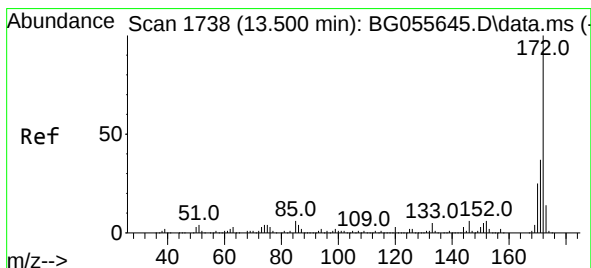
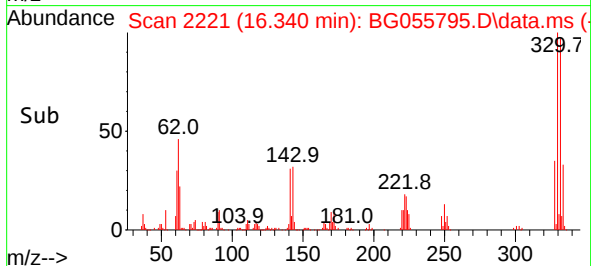
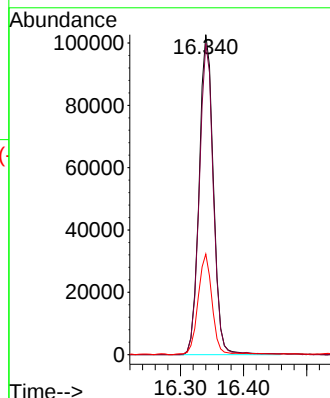
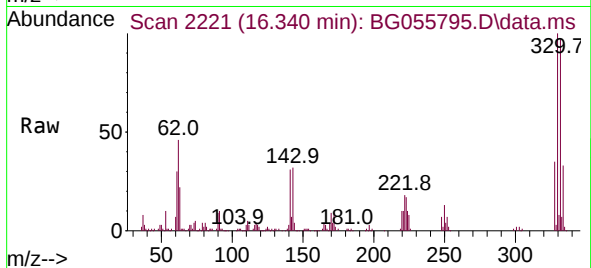
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Tgt Ion:330 Resp: 160231
Ion Ratio Lower Upper
330 100
332 95.9 77.8 116.8
141 30.8 23.9 35.9

Manual Integrations

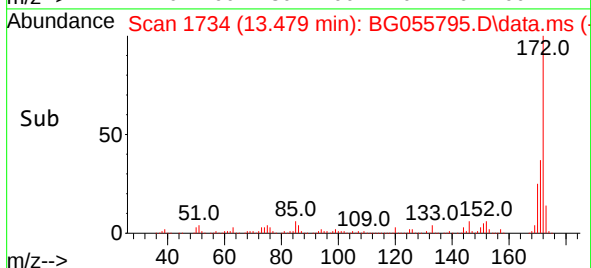
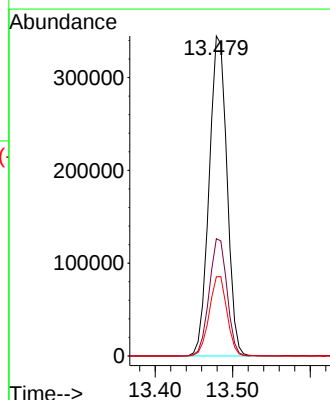
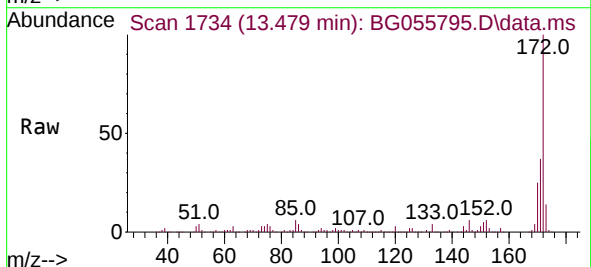
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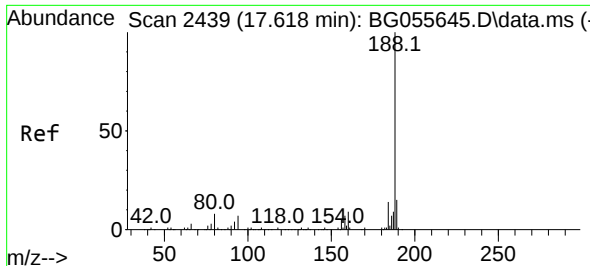
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#45
2-Fluorobiphenyl
Concen: 59.308 ng
RT: 13.479 min Scan# 1734
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Tgt Ion:172 Resp: 549683
Ion Ratio Lower Upper
172 100
171 36.6 29.8 44.6
170 24.7 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.598 min Scan# 2435
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Instrument :

BNA_G

ClientSampleId :

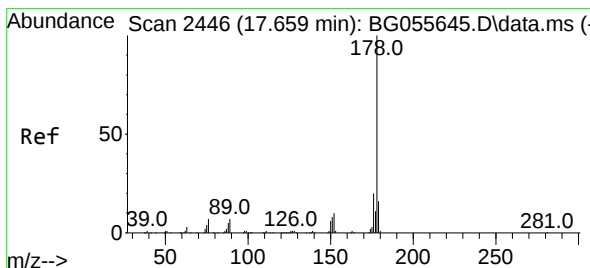
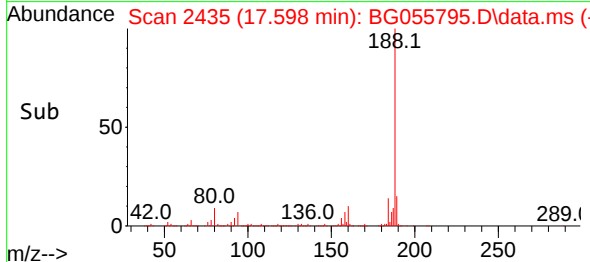
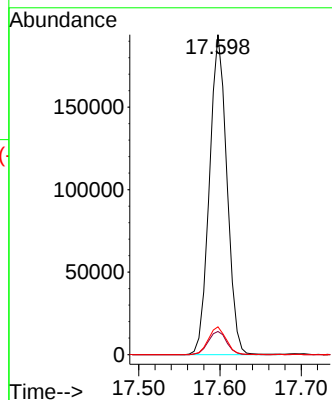
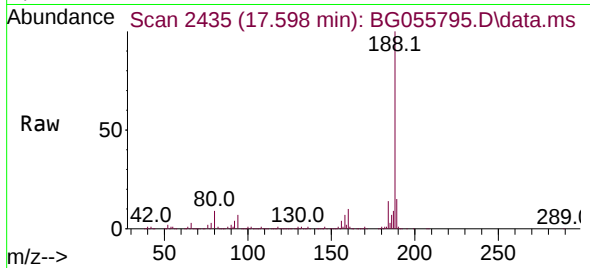
CL-01-112322

Tgt Ion:188 Resp: 290205
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.7 6.6 10.0

Manual Integrations

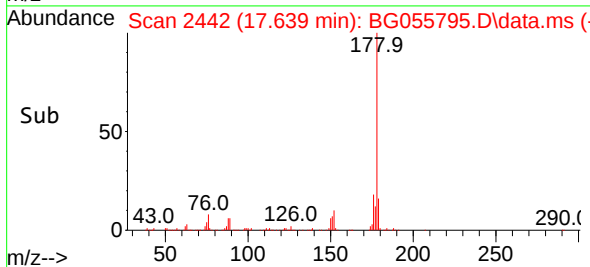
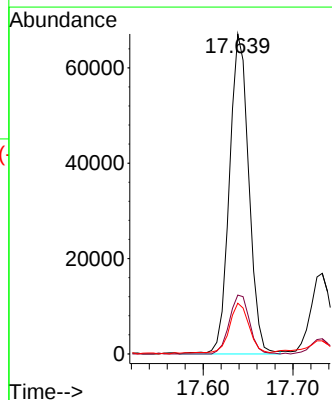
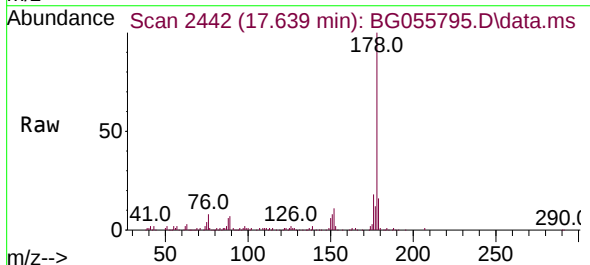
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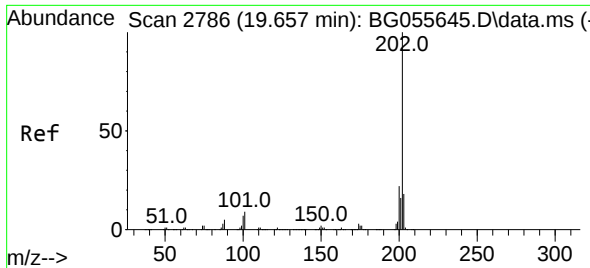
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#71
Phenanthrene
Concen: 6.432 ng
RT: 17.639 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Tgt Ion:178 Resp: 100734
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.8 12.7 19.1





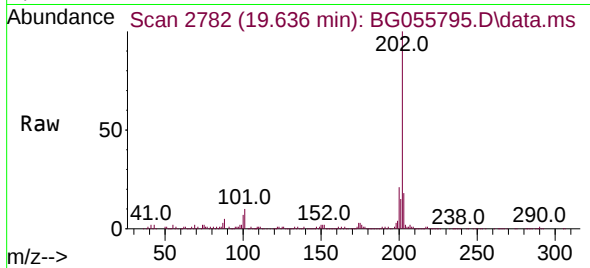
#75
Fluoranthene
Concen: 9.130 ng
RT: 19.636 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Instrument :

BNA_G

ClientSampleId :

CL-01-112322

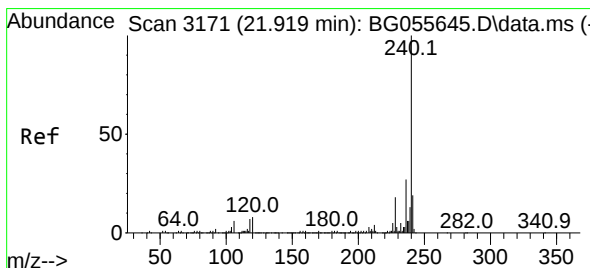
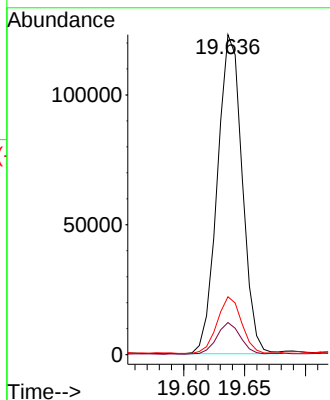
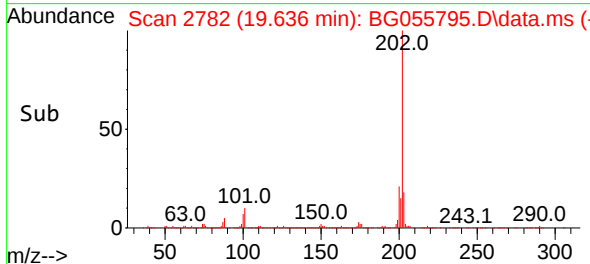


Tgt Ion:202 Resp: 173956
Ion Ratio Lower Upper
202 100
101 10.0 0.0 28.8
203 18.1 0.0 38.1

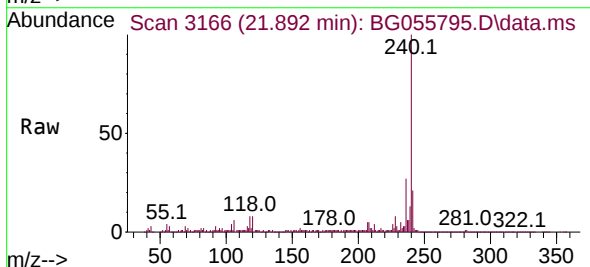
Manual Integrations

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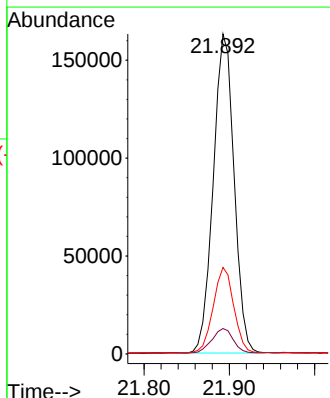
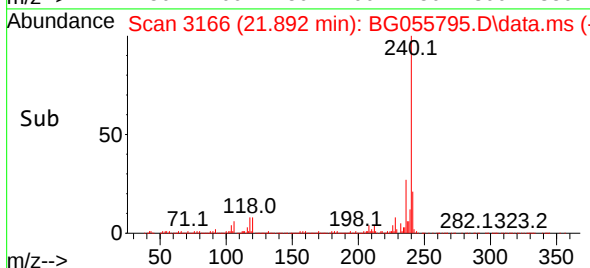
Reviewed By :Christian Giraldo 11/28/2022
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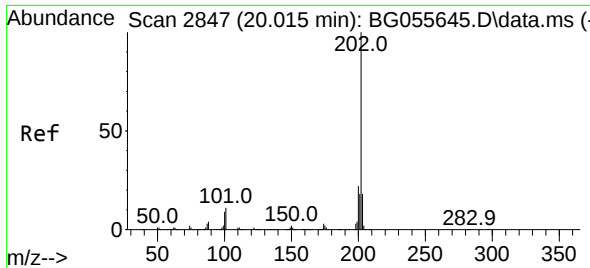


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.892 min Scan# 3166
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51



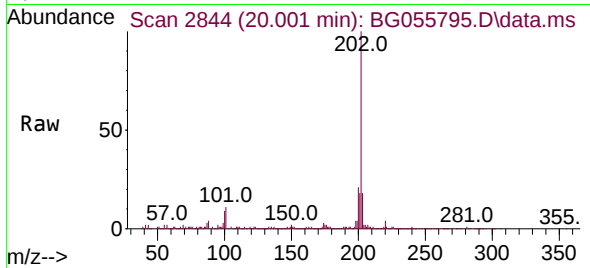
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Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 27.0 21.9 32.9





#78
Pyrene
Concen: 9.715 ng
RT: 20.001 min Scan# 2844
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

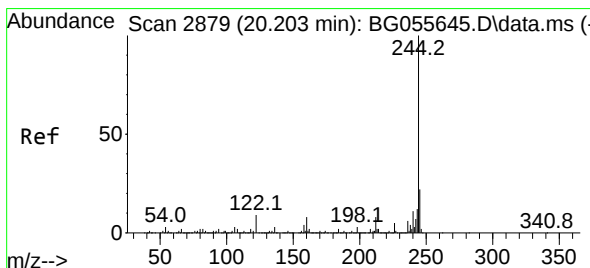
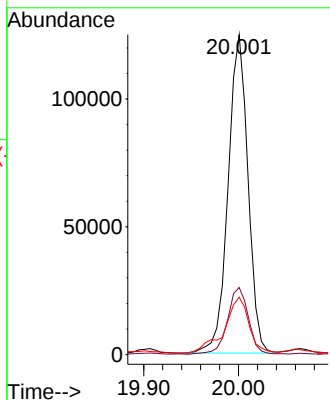
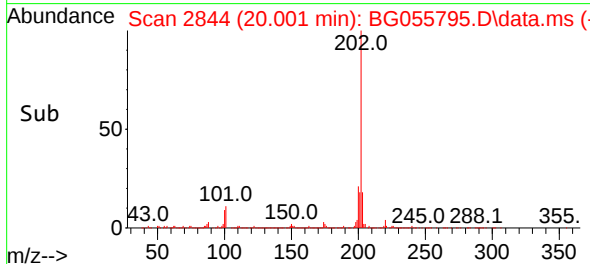
Instrument :
BNA_G
ClientSampleId :
CL-01-112322



Tgt Ion:202 Resp: 181709
Ion Ratio Lower Upper
202 100
200 21.0 17.8 26.6
203 17.9 14.4 21.6

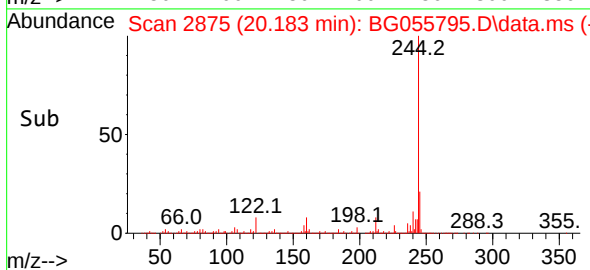
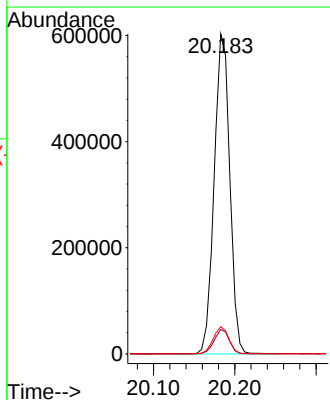
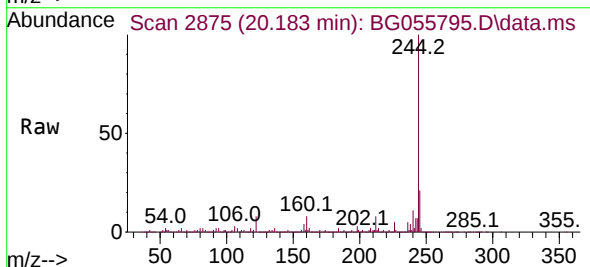
Manual Integrations
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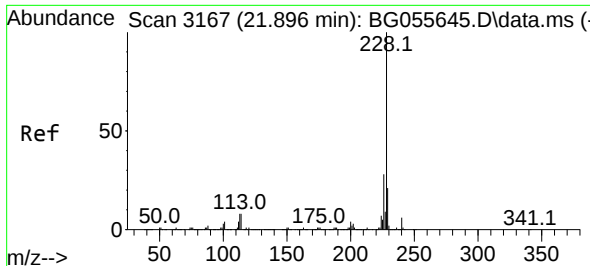
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#79
Terphenyl-d14
Concen: 58.083 ng
RT: 20.183 min Scan# 2875
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

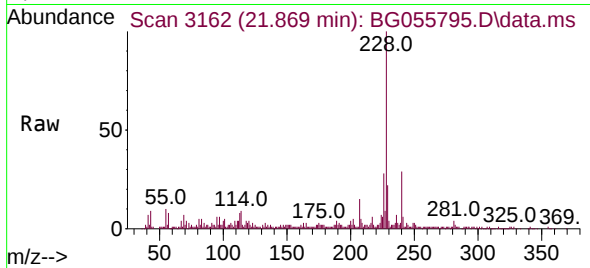
Tgt Ion:244 Resp: 802405
Ion Ratio Lower Upper
244 100
212 7.6 6.3 9.5
122 8.5 6.9 10.3





#81
Benzo(a)anthracene
Concen: 5.248 ng
RT: 21.869 min Scan# 3167
Delta R.T. -0.015 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

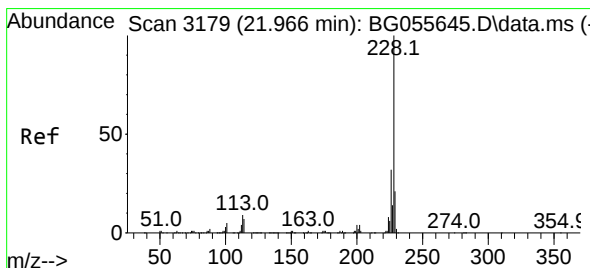
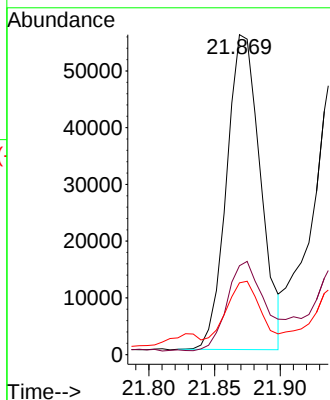
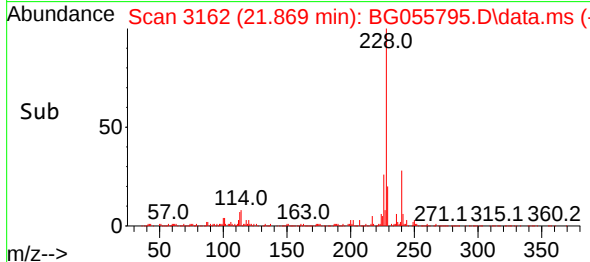
Instrument :
BNA_G
ClientSampleId :
CL-01-112322



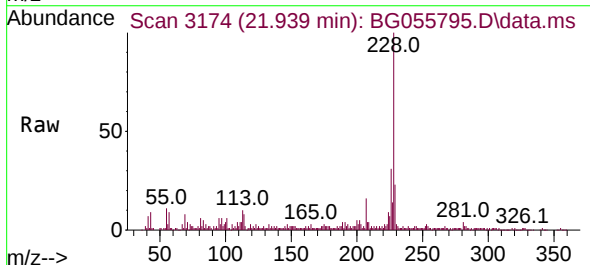
Tgt Ion:228 Resp: 99886
Ion Ratio Lower Upper
228 100
226 27.8 22.7 34.1
229 22.4 16.5 24.7

Manual Integrations
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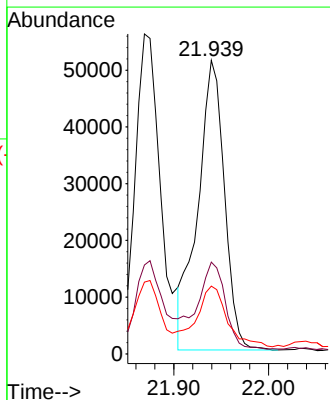
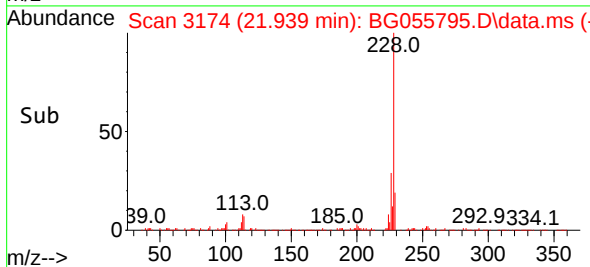
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022

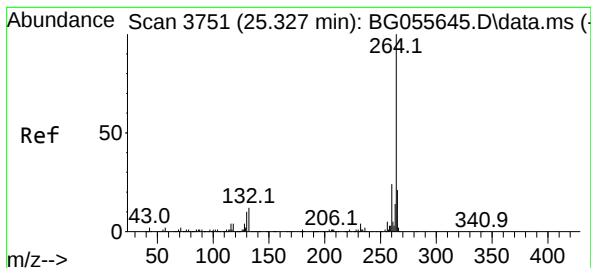


#83
Chrysene
Concen: 5.529 ng
RT: 21.939 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51



Tgt Ion:228 Resp: 100165
Ion Ratio Lower Upper
228 100
226 31.3 25.4 38.2
229 23.1 17.1 25.7





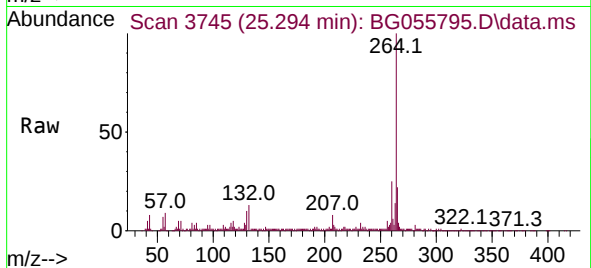
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.294 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Instrument :

BNA_G

ClientSampleId :

CL-01-112322

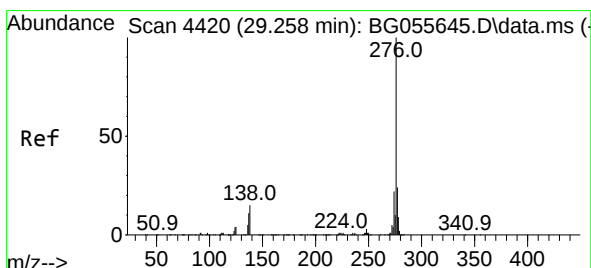
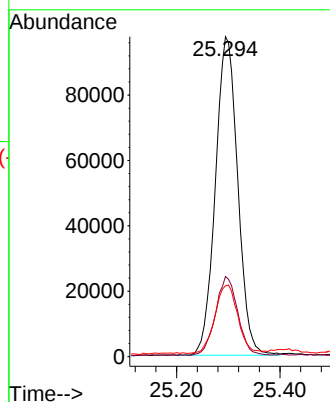
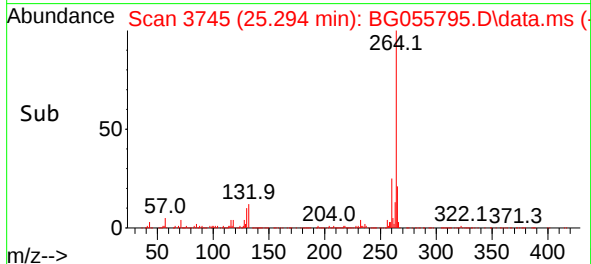


Tgt Ion:264 Resp: 292952
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 22.1 17.1 25.7

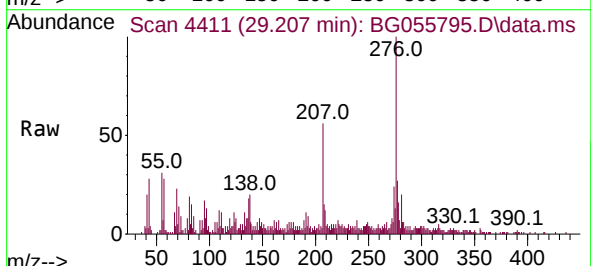
Manual Integrations

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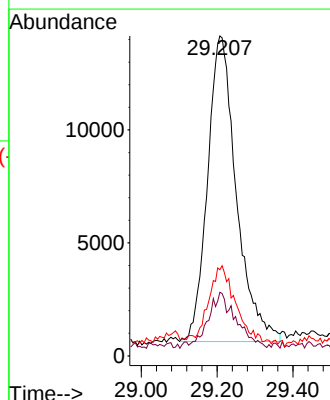
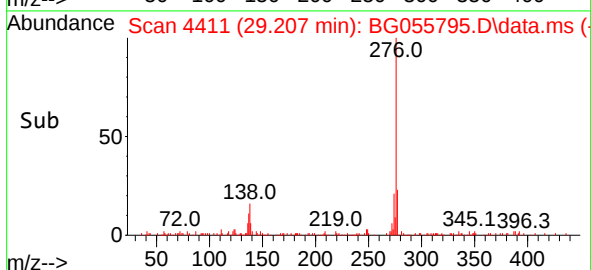
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022

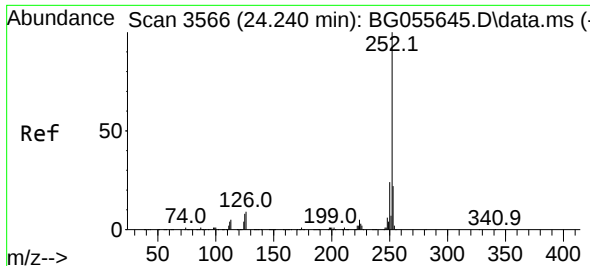


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.978 ng
RT: 29.207 min Scan# 4411
Delta R.T. -0.027 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51



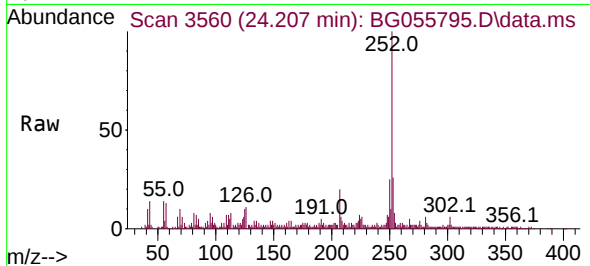
Tgt Ion:276 Resp: 71463
Ion Ratio Lower Upper
276 100
138 17.0 10.4 15.6#
277 22.2 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 7.321 ng
RT: 24.207 min Scan# 3560
Delta R.T. -0.009 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

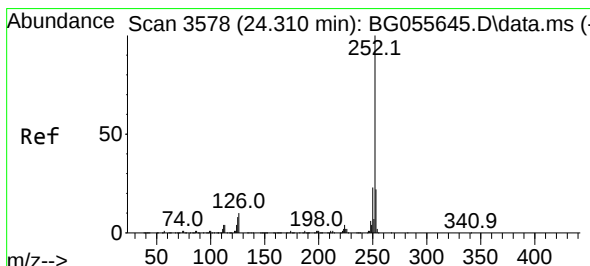
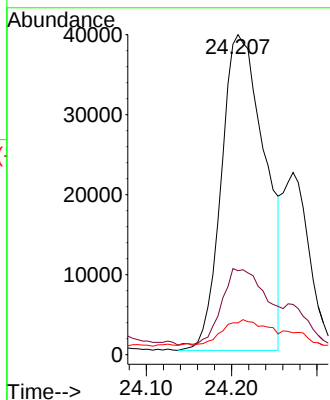
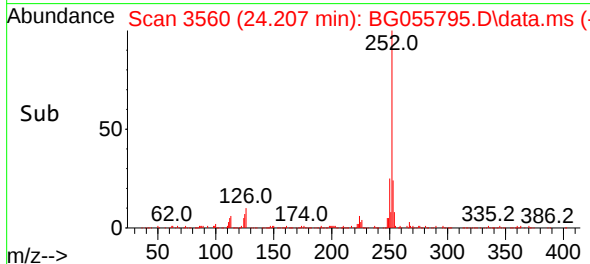
Instrument :
BNA_G
ClientSampleId :
CL-01-112322



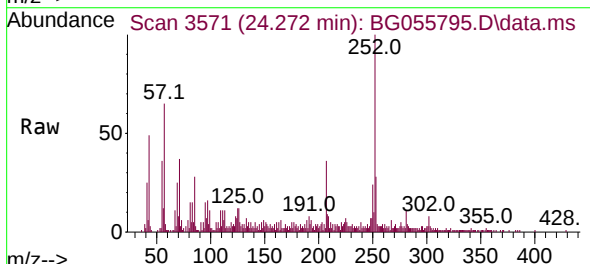
Tgt Ion:252 Resp: 139686
Ion Ratio Lower Upper
252 100
253 26.2 18.0 27.0
125 9.9 6.2 9.2

Manual Integrations
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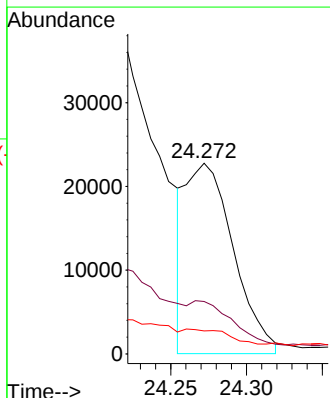
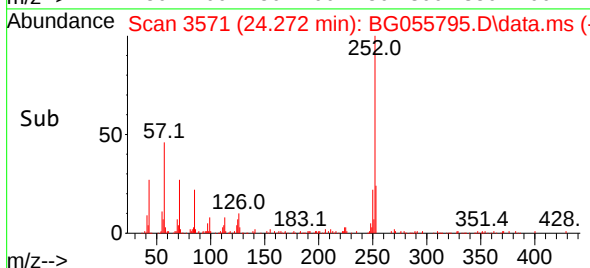
Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022

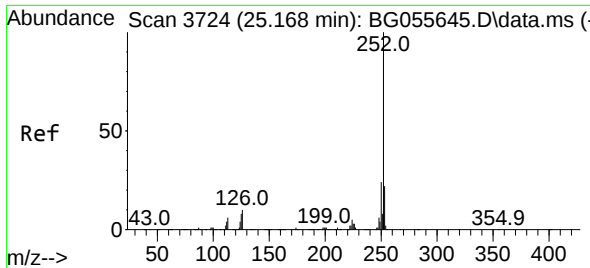


#89
Benzo(k)fluoranthene
Concen: 2.612 ng m
RT: 24.272 min Scan# 3571
Delta R.T. -0.021 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51



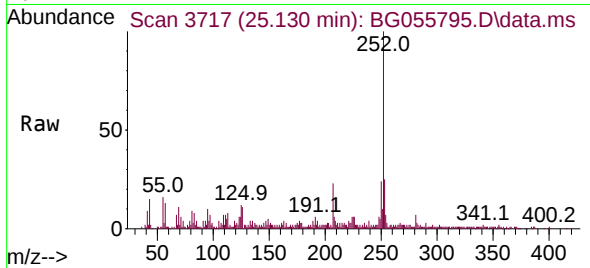
Tgt Ion:252 Resp: 49682
Ion Ratio Lower Upper
252 100
253 27.5 17.8 26.6#
125 12.0 6.1 9.1#





#90
Benzo(a)pyrene
Concen: 6.489 ng
RT: 25.130 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

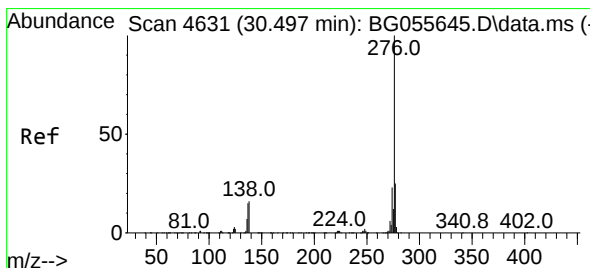
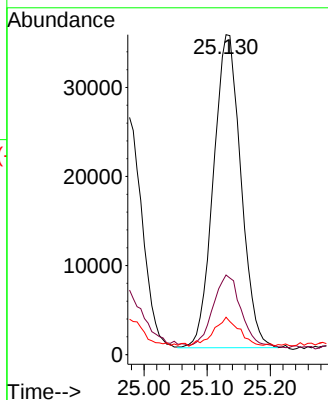
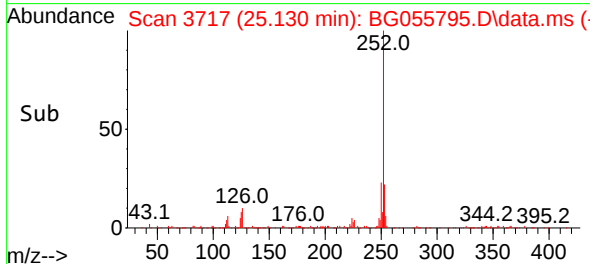
Instrument :
BNA_G
ClientSampleId :
CL-01-112322



Tgt Ion:252 Resp: 10624
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 11.7 6.4 9.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/28/2022
Supervised By :Jagrut Upadhyay 11/29/2022



#92
Benzo(g,h,i)perylene
Concen: 3.786 ng
RT: 30.447 min Scan# 4622
Delta R.T. -0.015 min
Lab File: BG055795.D
Acq: 26 Nov 2022 00:51

Tgt Ion:276 Resp: 74831
Ion Ratio Lower Upper
276 100
277 28.9 19.8 29.6
138 19.3 13.1 19.7

