

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128978.D
 Acq On : 24 Jun 2022 03:51
 Operator : CG\JU
 Sample : N3428-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/24/2022
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 24 04:42:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	83377	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	196812	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	97294	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	175467	20.000	ng	0.00
76) Chrysene-d12	13.898	240	133090	20.000	ng	0.00
86) Perylene-d12	15.339	264	97137	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	256470	48.996	ng	0.00
7) Phenol-d6	6.381	99	310391	48.577	ng	0.00
23) Nitrobenzene-d5	7.293	82	140982	33.351	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	46793	40.705	ng	0.00
45) 2-Fluorobiphenyl	9.087	172	253861	36.550	ng	0.00
79) Terphenyl-d14	12.839	244	284320	37.121	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.628	152	25617	3.004	ng	99
71) Phenanthrene	11.275	178	156767	17.812	ng	98
72) Anthracene	11.328	178	32892	3.776	ng	97
73) Carbazole	11.486	167	20134	2.488	ng	98
75) Fluoranthene	12.469	202	200976	21.846	ng	95
78) Pyrene	12.698	202	207372	20.943	ng	98
81) Benzo(a)anthracene	13.886	228	69024	8.320	ng	94
83) Chrysene	13.922	228	63789	8.065	ng	97
87) Indeno(1,2,3-cd)pyrene	16.757	276	17932	3.063	ng	# 87
88) Benzo(b)fluoranthene	14.927	252	50068m	8.066	ng	
89) Benzo(k)fluoranthene	14.951	252	13401m	2.295	ng	
90) Benzo(a)pyrene	15.280	252	36602	7.503	ng	# 81
92) Benzo(g,h,i)perylene	17.186	276	20019	4.159	ng	93

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

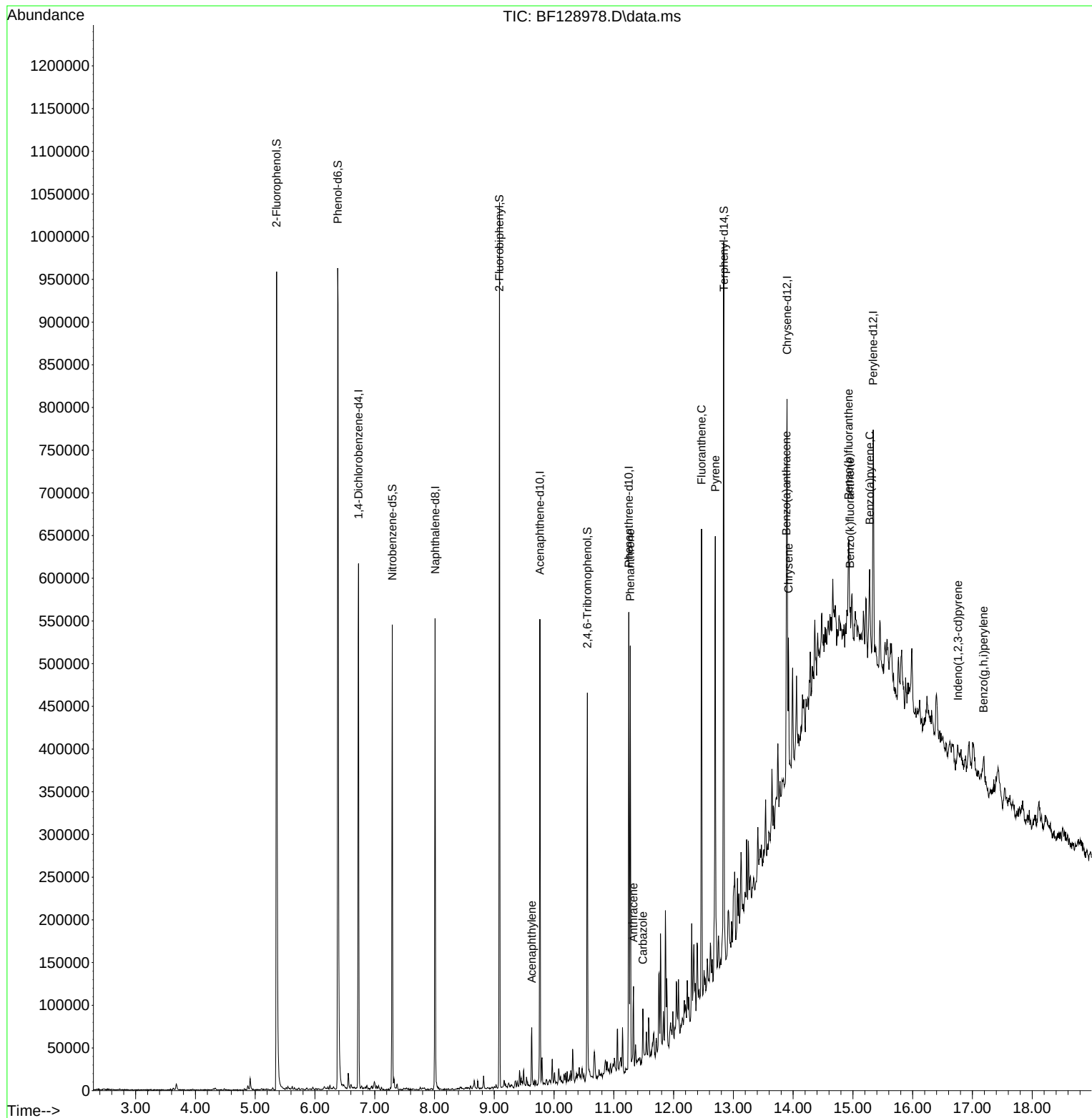
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128978.D
Acq On : 24 Jun 2022 03:51
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ALS Vial : 23 Sample Multiplier: 1

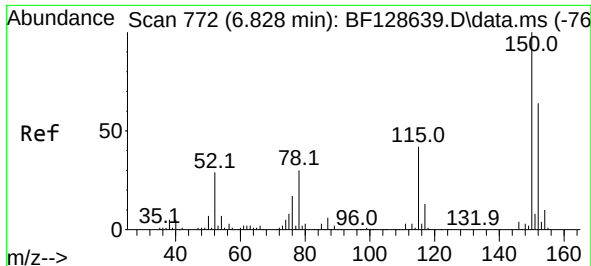
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Quant Time: Jun 24 04:42:05 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
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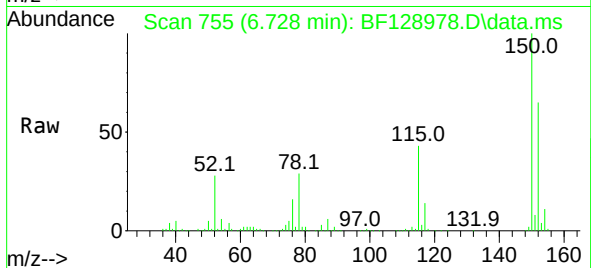
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

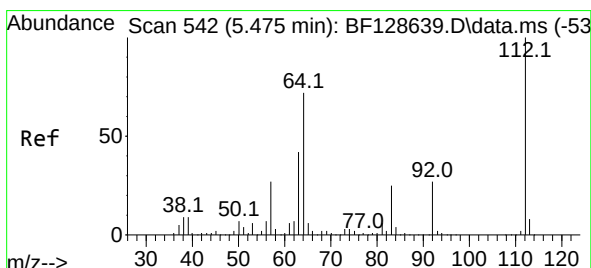
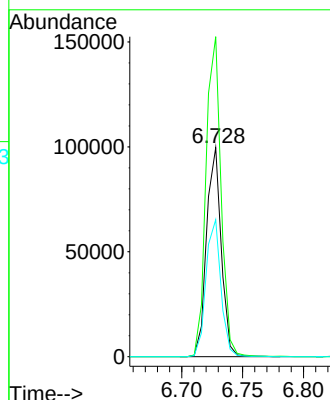


Tgt Ion:152 Resp: 8337
Ion Ratio Lower Upper
152 100
150 153.0 123.7 185.5
115 65.5 49.9 74.9

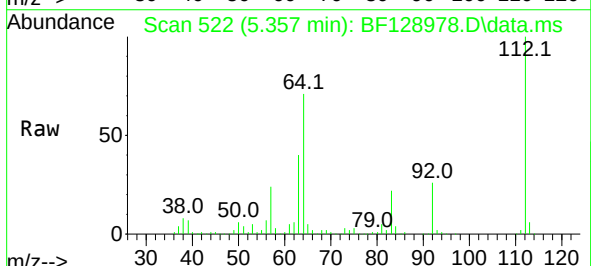
Manual Integrations

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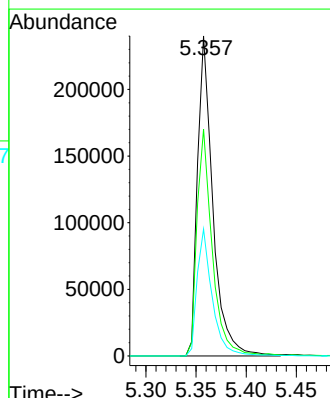
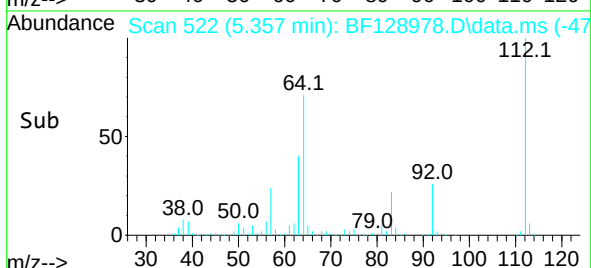
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

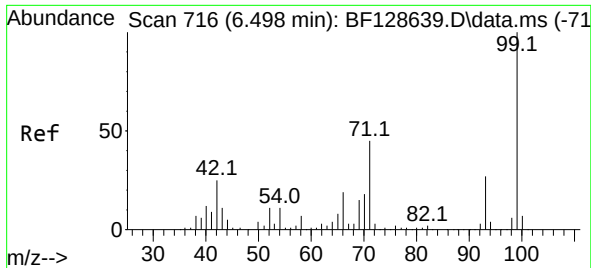


#5
2-Fluorophenol
Concen: 48.996 ng
RT: 5.357 min Scan# 522
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51



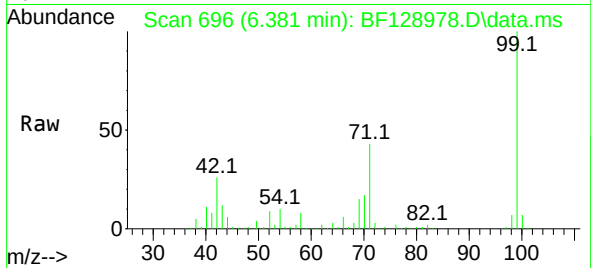
Tgt Ion:112 Resp: 256470
Ion Ratio Lower Upper
112 100
64 70.9 53.3 79.9
63 39.7 28.0 42.0





#7
Phenol-d6
Concen: 48.577 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

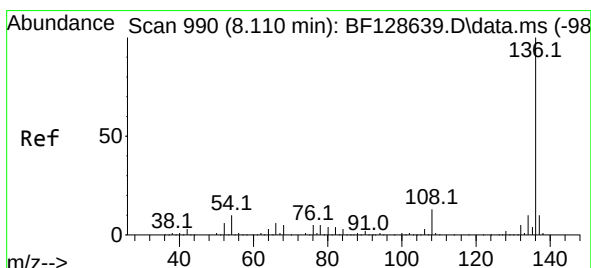
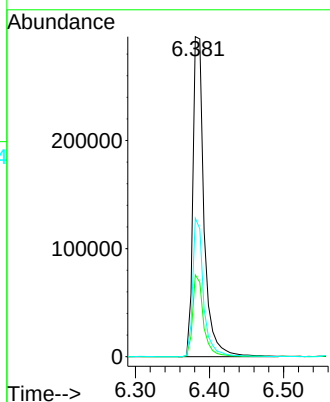
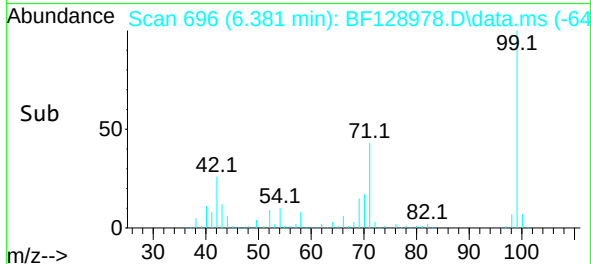
Instrument :
BNA_F
ClientSampleId :
CL-01-062122



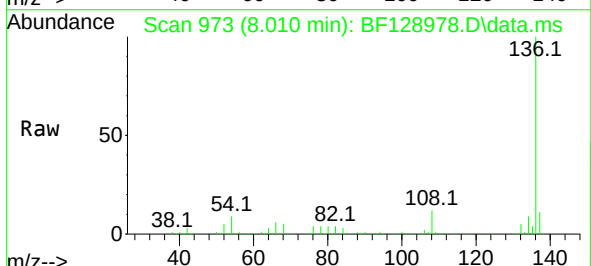
Tgt Ion: 99 Resp: 31039
Ion Ratio Lower Upper
99 100
42 25.6 17.3 25.9
71 43.3 28.9 43.3

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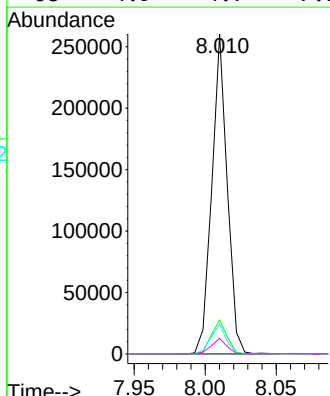
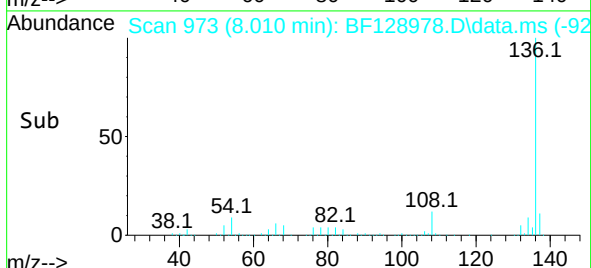
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

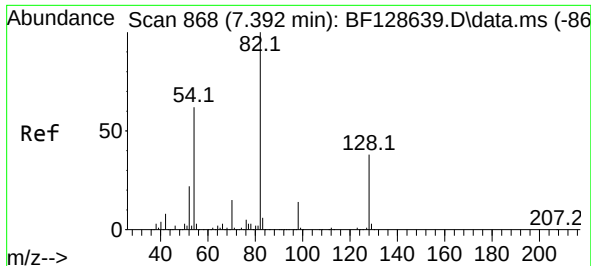


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51



Tgt Ion:136 Resp: 196812
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.3 7.5 11.3
68 4.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 33.351 ng

RT: 7.293 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128978.D

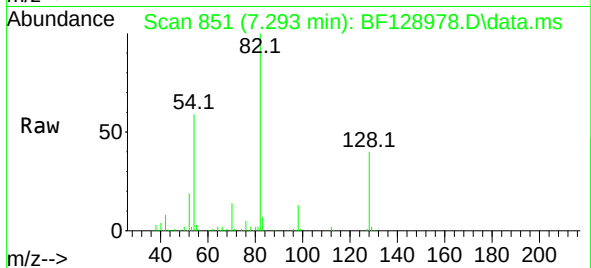
Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122



Tgt Ion: 82 Resp: 14098

Ion Ratio Lower Upper

82 100

128 40.0 34.0 51.0

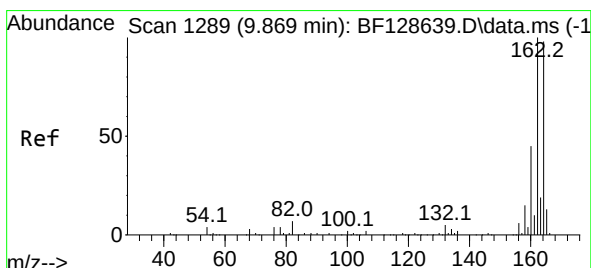
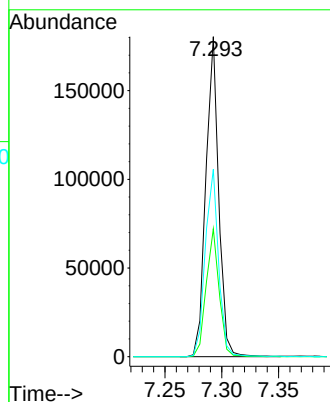
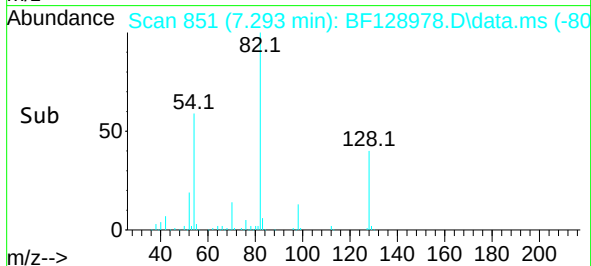
54 58.6 46.9 70.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1271

Delta R.T. -0.006 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

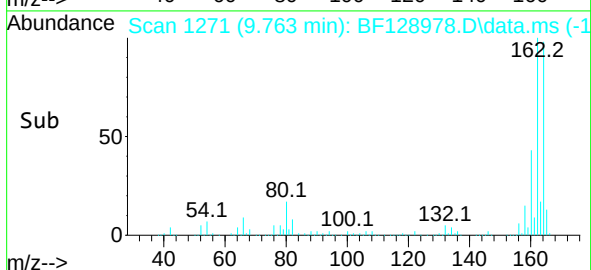
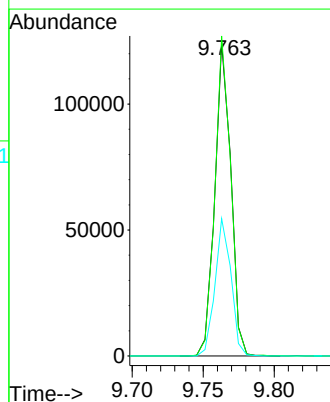
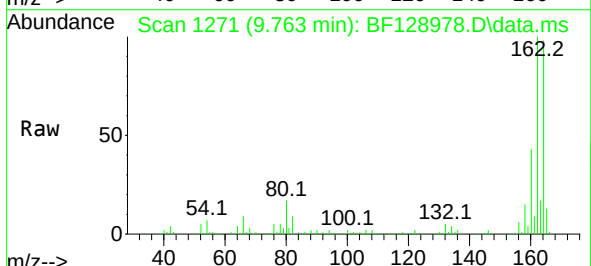
Tgt Ion:164 Resp: 97294

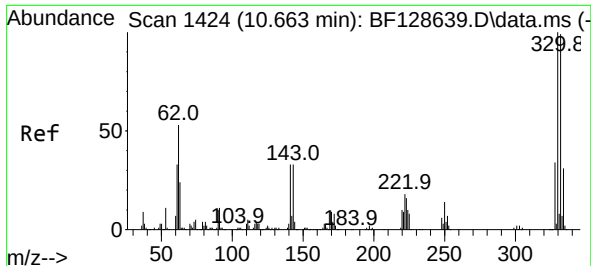
Ion Ratio Lower Upper

164 100

162 102.2 79.5 119.3

160 43.8 34.2 51.4





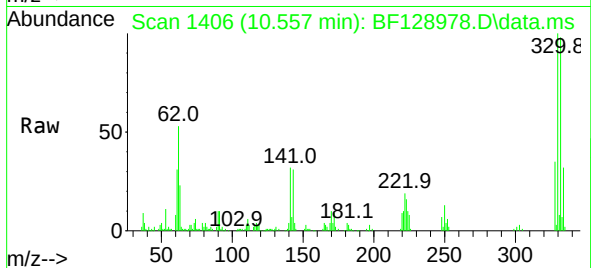
#42
2,4,6-Tribromophenol
Concen: 40.705 ng
RT: 10.557 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

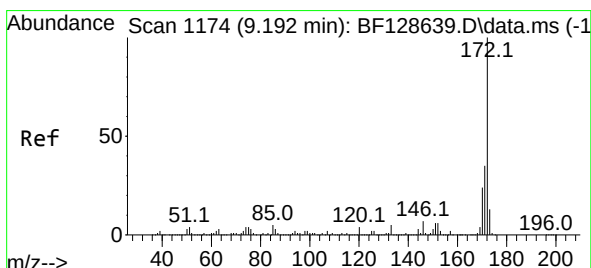
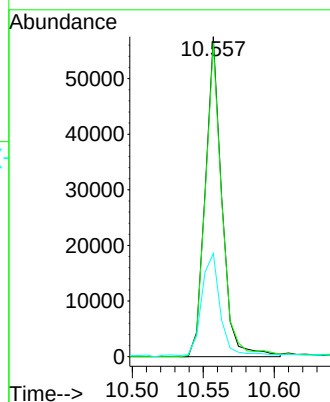
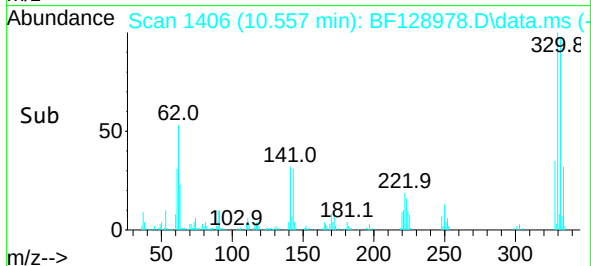


Tgt Ion: 330 Resp: 46793
Ion Ratio Lower Upper
330 100
332 99.7 76.8 115.2
141 37.7 28.0 42.0

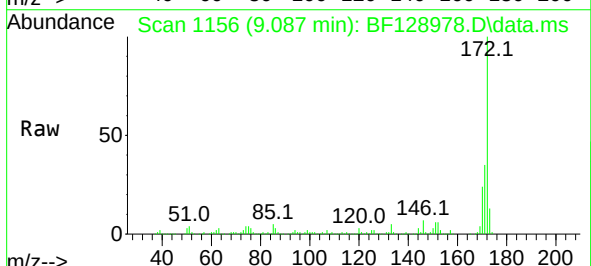
Manual Integrations

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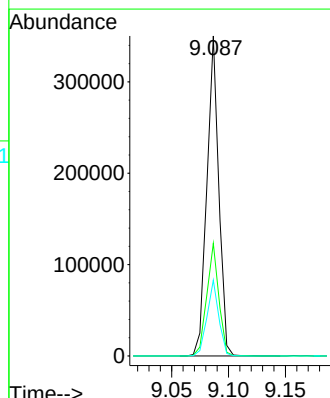
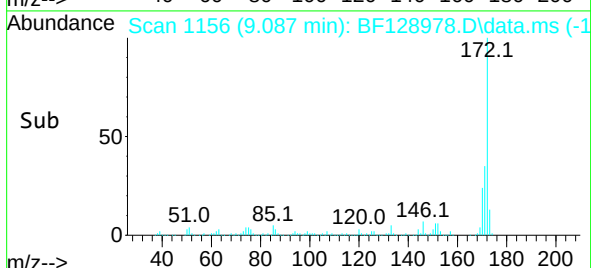
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022

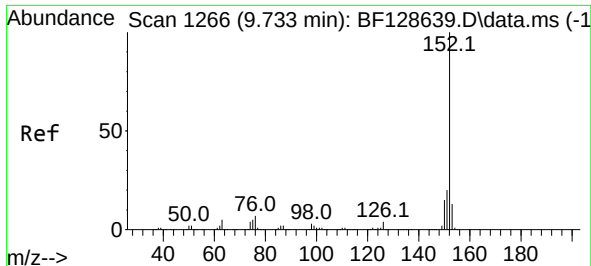


#45
2-Fluorobiphenyl
Concen: 36.550 ng
RT: 9.087 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51



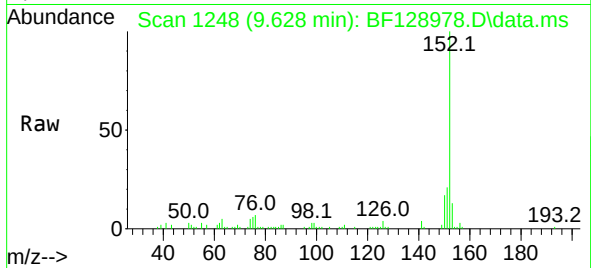
Tgt Ion: 172 Resp: 253861
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.7 19.8 29.8





#49
Acenaphthylene
Concen: 3.004 ng
RT: 9.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

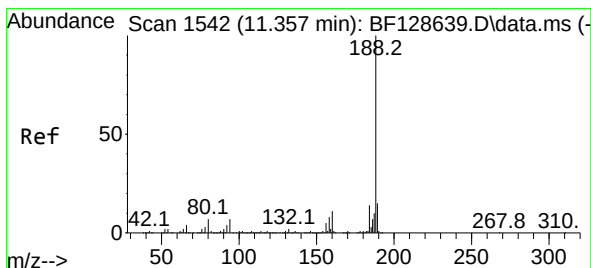
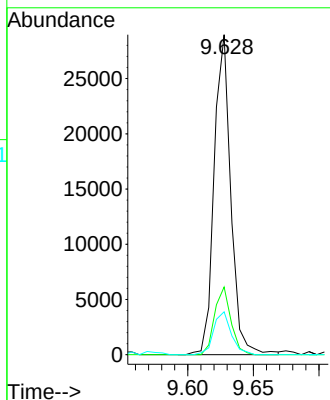
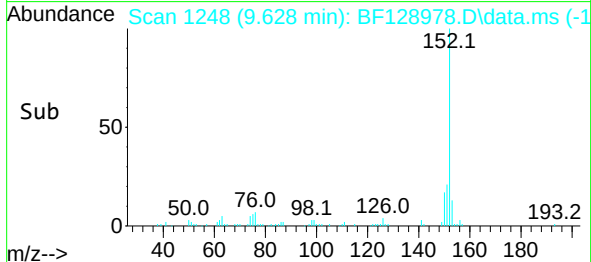
Instrument :
BNA_F
ClientSampleId :
CL-01-062122



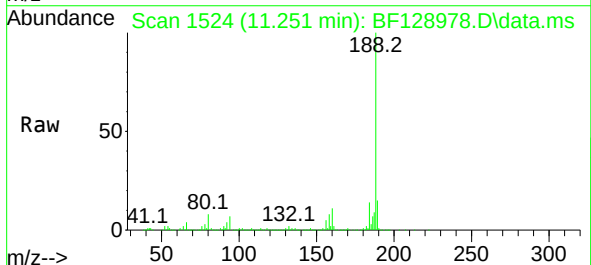
Tgt Ion:152 Resp: 2561
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.4
153 13.4 10.7 16.1

Manual Integrations
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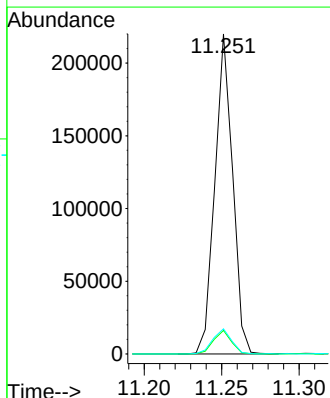
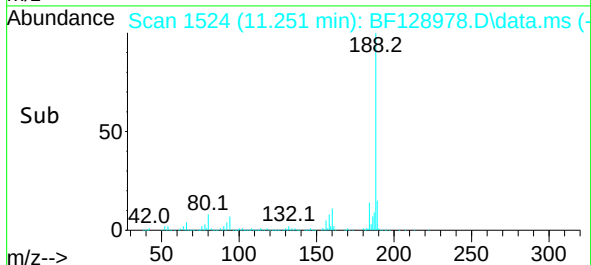
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

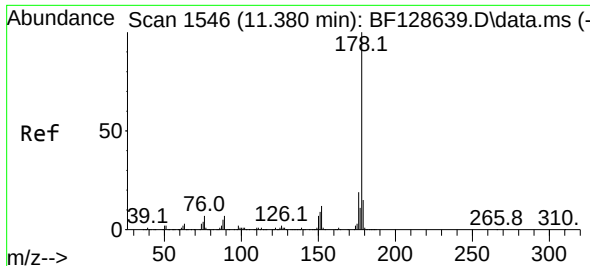


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51



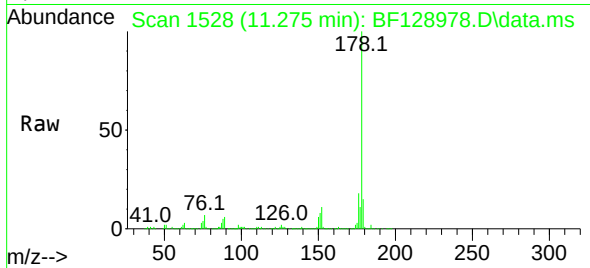
Tgt Ion:188 Resp: 175467
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.6
80 7.9 7.6 11.4





#71
Phenanthrene
Concen: 17.812 ng
RT: 11.275 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

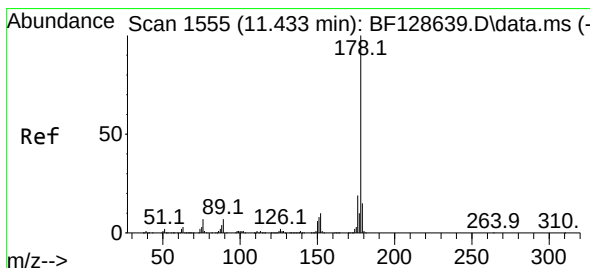
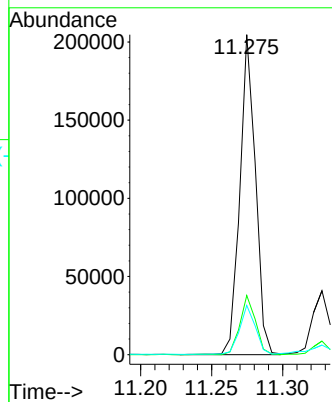
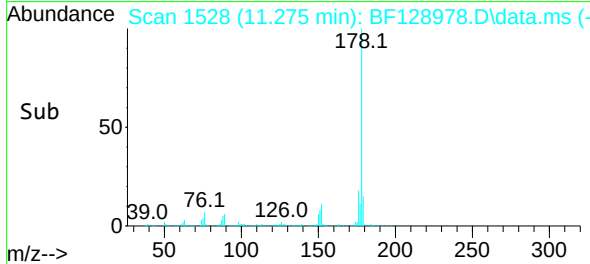
Instrument :
BNA_F
ClientSampleId :
CL-01-062122



Tgt Ion:178 Resp: 15676
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.4 12.6 19.0

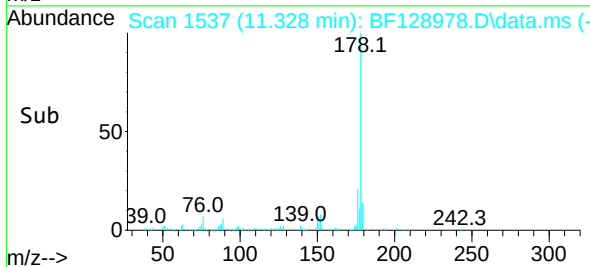
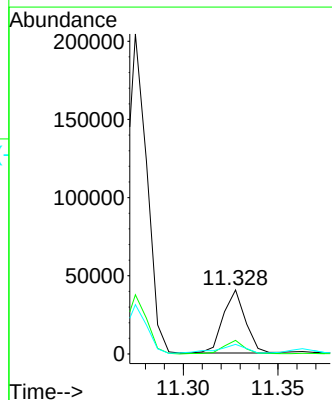
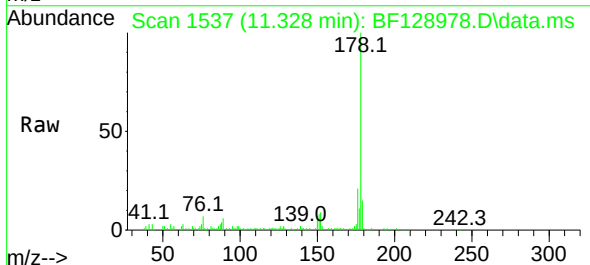
Manual Integrations
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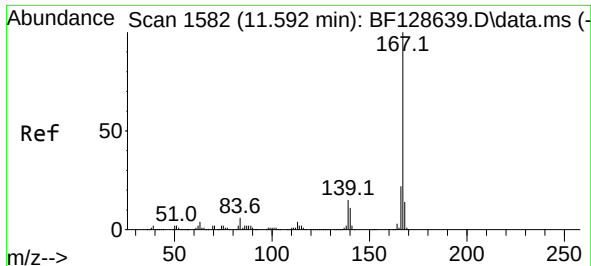
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#72
Anthracene
Concen: 3.776 ng
RT: 11.328 min Scan# 1537
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

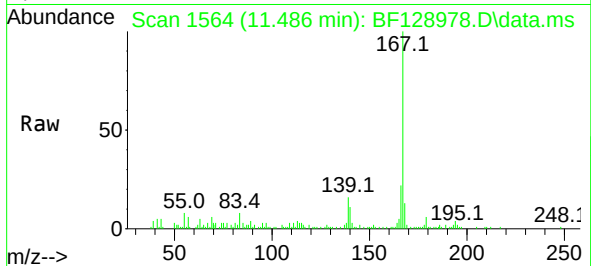
Tgt Ion:178 Resp: 32892
Ion Ratio Lower Upper
178 100
176 21.4 15.4 23.2
179 15.1 12.6 19.0





#73
 Carbazole
 Concen: 2.488 ng
 RT: 11.486 min Scan# 11582
 Delta R.T. -0.006 min
 Lab File: BF128978.D
 Acq: 24 Jun 2022 03:51

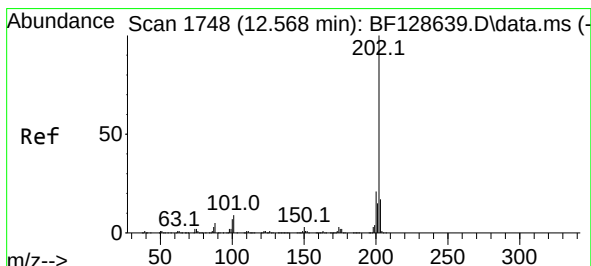
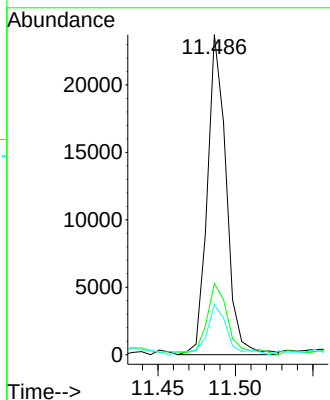
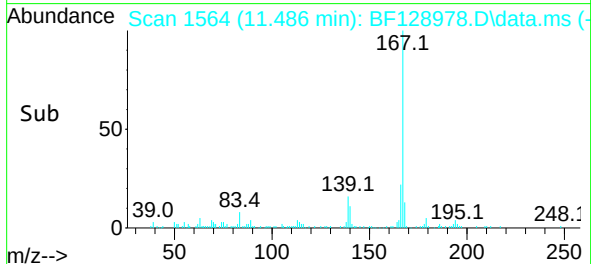
Instrument :
 BNA_F
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 CL-01-062122



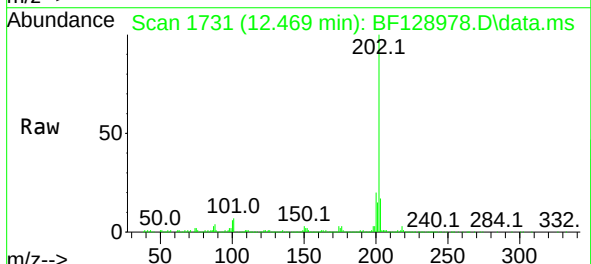
Tgt Ion:167 Resp: 20134
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.7 26.5
 139 15.7 11.2 16.8

Manual Integrations
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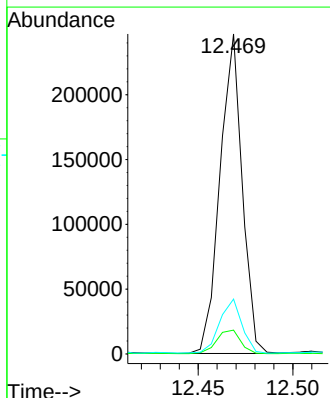
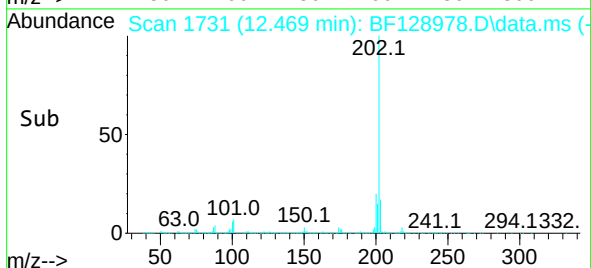
Reviewed By :Christian Giraldo 06/24/2022
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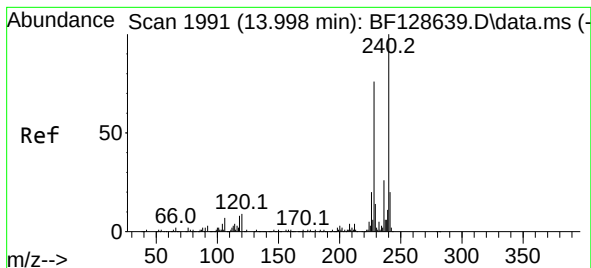


#75
 Fluoranthene
 Concen: 21.846 ng
 RT: 12.469 min Scan# 1731
 Delta R.T. 0.000 min
 Lab File: BF128978.D
 Acq: 24 Jun 2022 03:51



Tgt Ion:202 Resp: 200976
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 31.4
 203 17.2 0.0 38.0





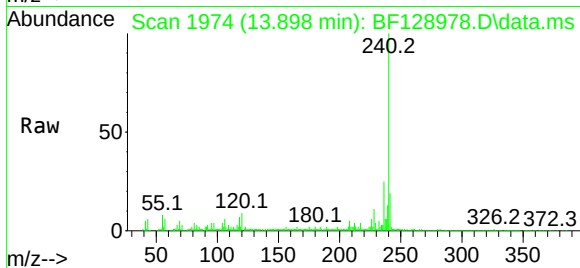
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

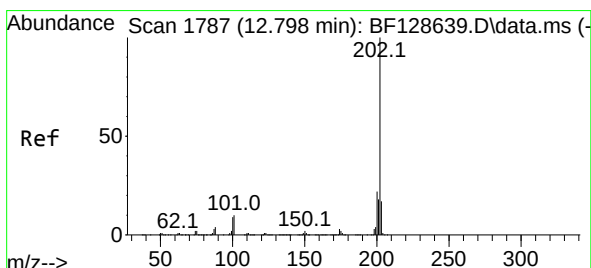
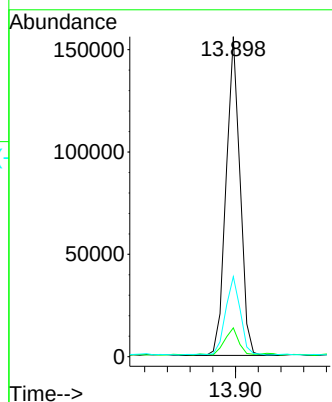
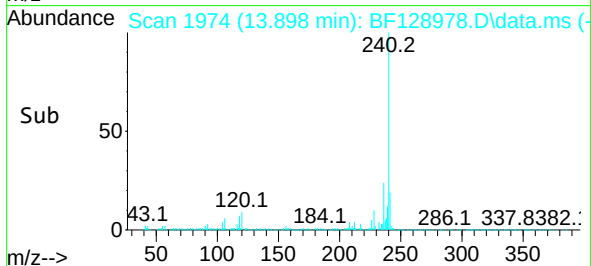


Tgt Ion:240 Resp: 133090
Ion Ratio Lower Upper
240 100
120 9.0 8.9 13.3
236 25.0 20.8 31.2

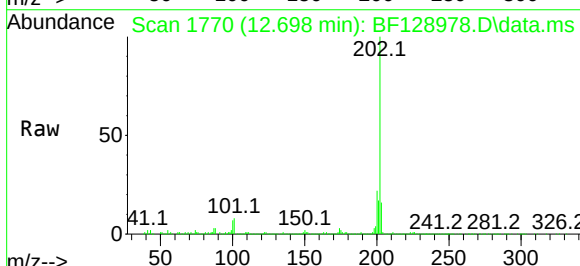
Manual Integrations

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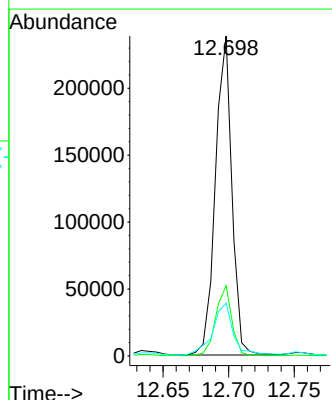
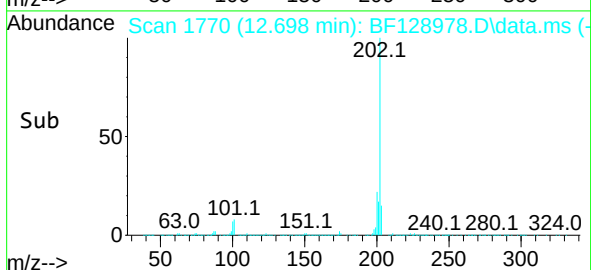
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

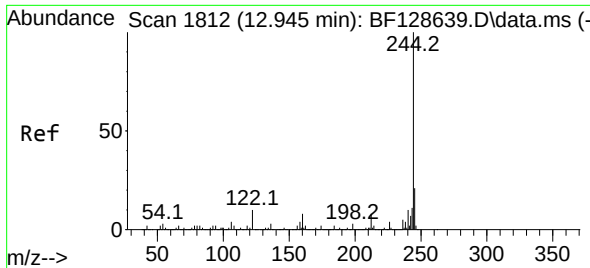


#78
Pyrene
Concen: 20.943 ng
RT: 12.698 min Scan# 1770
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51



Tgt Ion:202 Resp: 207372
Ion Ratio Lower Upper
202 100
200 21.9 17.7 26.5
203 16.5 14.6 21.8





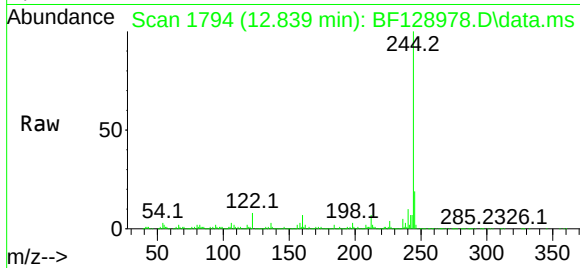
#79
Terphenyl-d14
Concen: 37.121 ng
RT: 12.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122

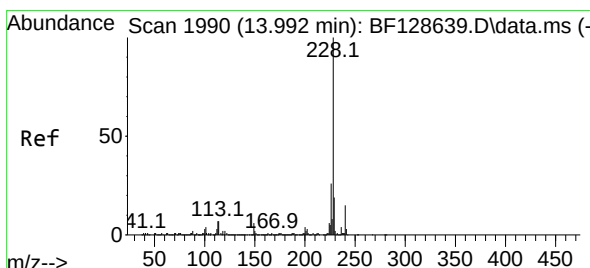
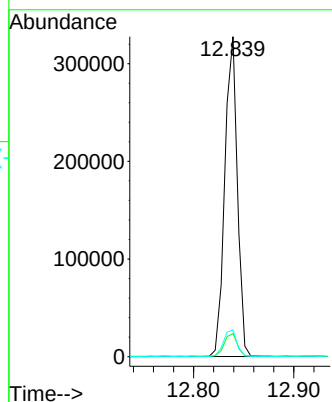
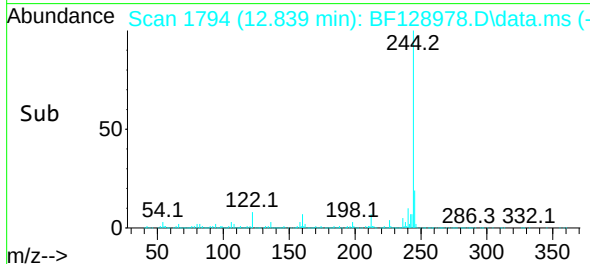


Tgt Ion:244 Resp: 284320
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 8.4 8.8 13.2

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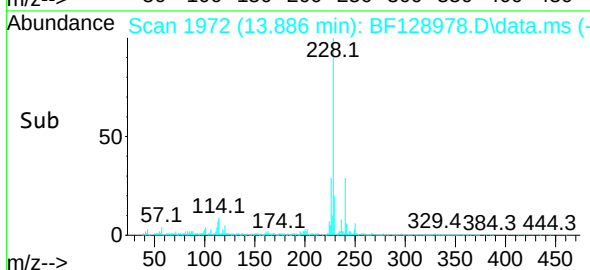
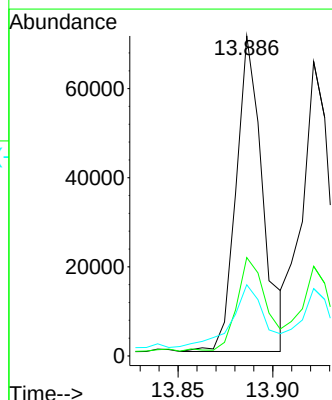
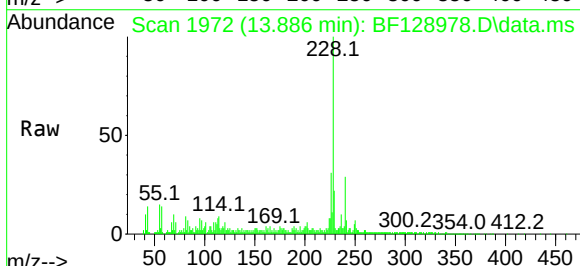
APPROVED

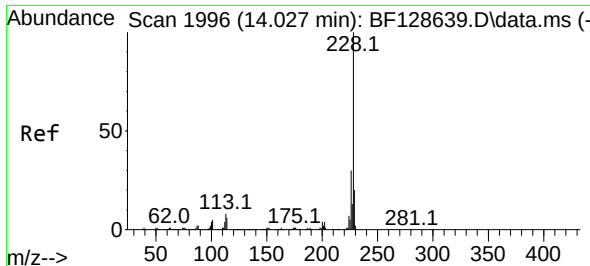
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#81
Benzo(a)anthracene
Concen: 8.320 ng
RT: 13.886 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Tgt Ion:228 Resp: 69024
Ion Ratio Lower Upper
228 100
226 30.7 22.1 33.1
229 22.2 15.8 23.8





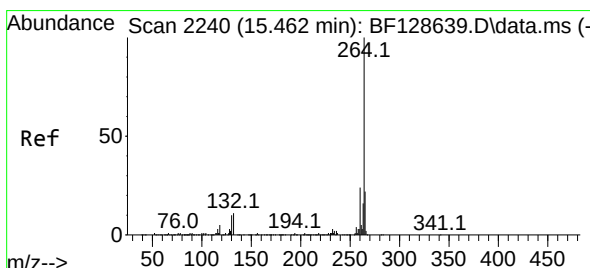
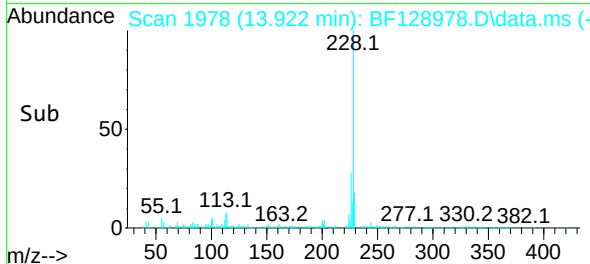
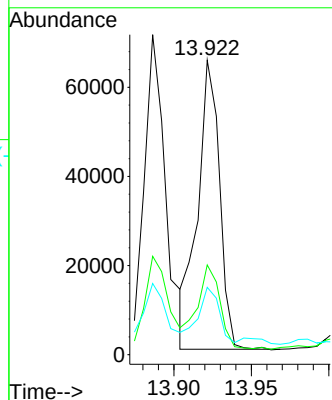
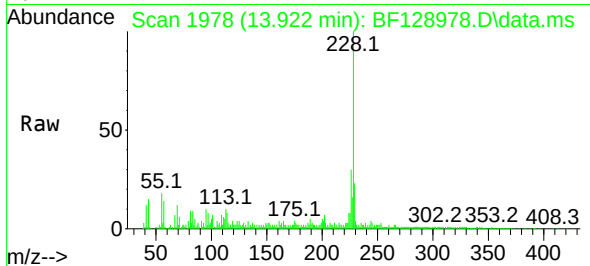
#83
Chrysene
Concen: 8.065 ng
RT: 13.922 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062122

Tgt Ion:228 Resp: 63789
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.9 15.9 23.9

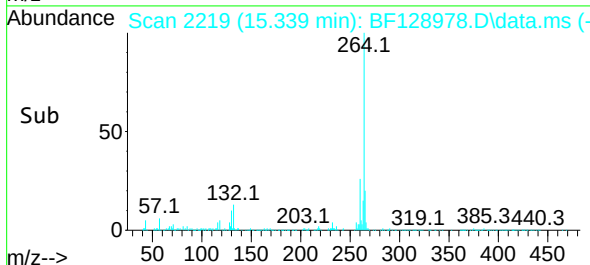
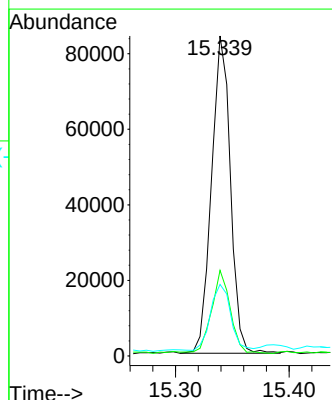
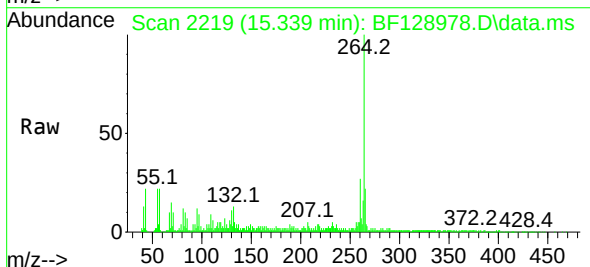
Manual Integrations
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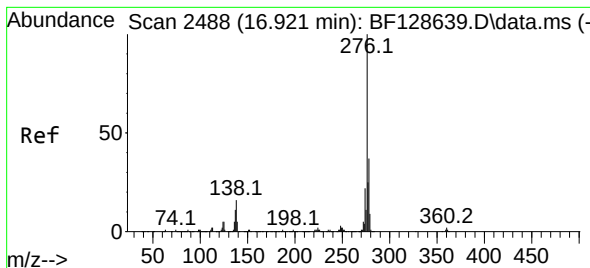
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.339 min Scan# 2219
Delta R.T. 0.012 min
Lab File: BF128978.D
Acq: 24 Jun 2022 03:51

Tgt Ion:264 Resp: 97137
Ion Ratio Lower Upper
264 100
260 26.8 18.4 27.6
265 22.4 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.063 ng

RT: 16.757 min Scan# 2149

Delta R.T. 0.012 min

Lab File: BF128978.D

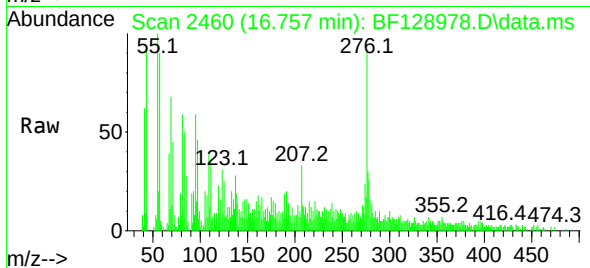
Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122



Tgt Ion:276 Resp: 17932

Ion Ratio Lower Upper

276 100

138 19.7 21.1 31.7

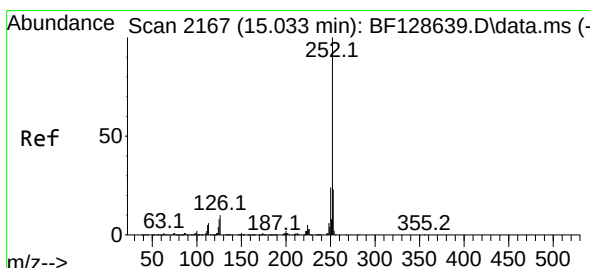
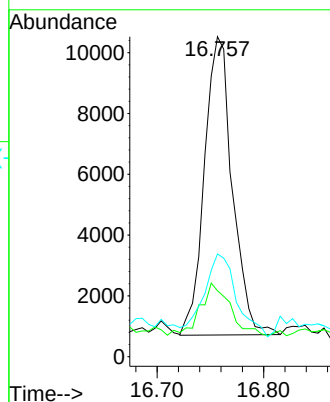
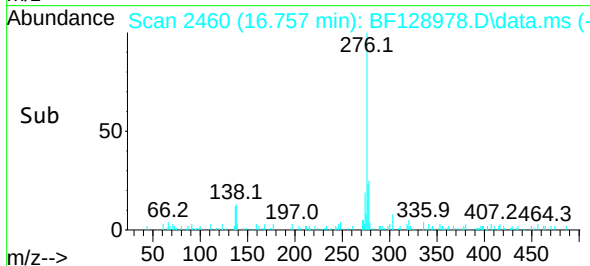
277 32.4 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/24/2022

Supervised By :Jagrut Upadhyay 06/28/2022



#88

Benzo(b)fluoranthene

Concen: 8.066 ng m

RT: 14.927 min Scan# 2149

Delta R.T. 0.006 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

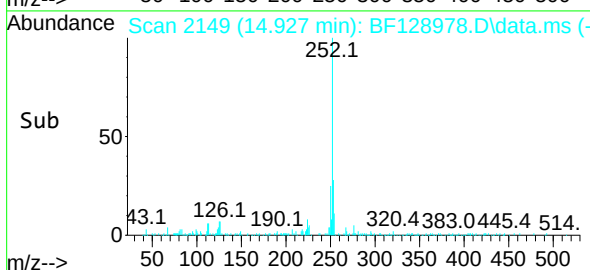
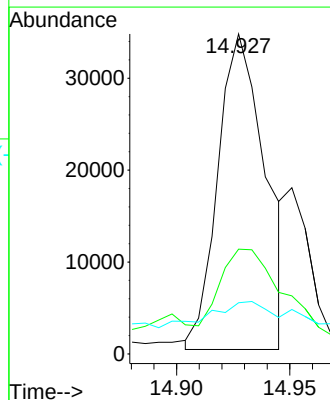
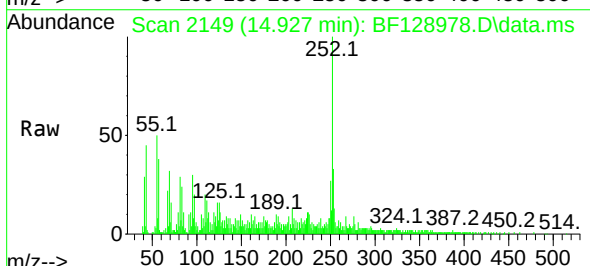
Tgt Ion:252 Resp: 50068

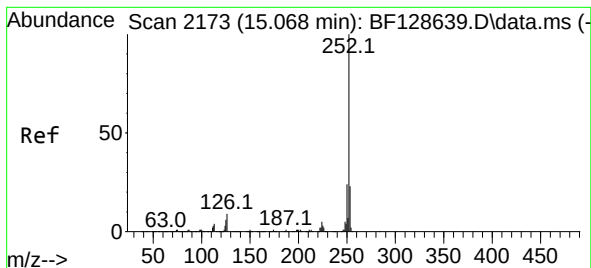
Ion Ratio Lower Upper

252 100

253 32.8 17.7 26.5

125 16.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 2.295 ng m

RT: 14.951 min Scan# 2173

Delta R.T. 0.000 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

Instrument :

BNF

ClientSampleId :

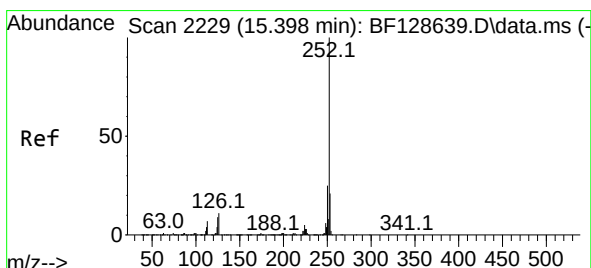
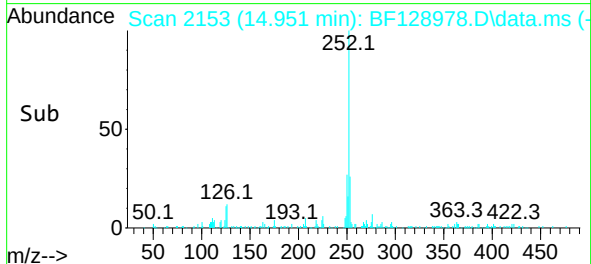
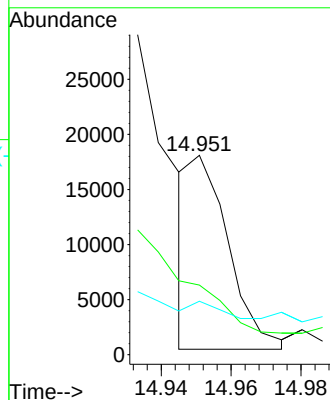
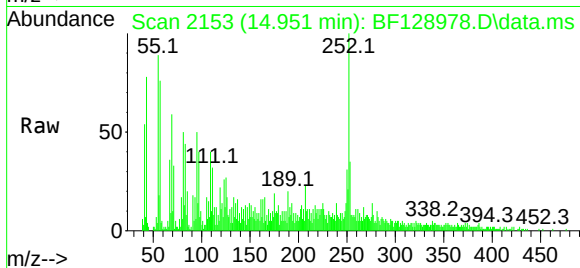
CL-01-062122

Tgt Ion:	252	Resp:	1340
Ion Ratio	Lower	Upper	
252	100		
253	34.9	17.8	26.6
125	26.8	8.3	12.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#90

Benzo(a)pyrene

Concen: 7.503 ng

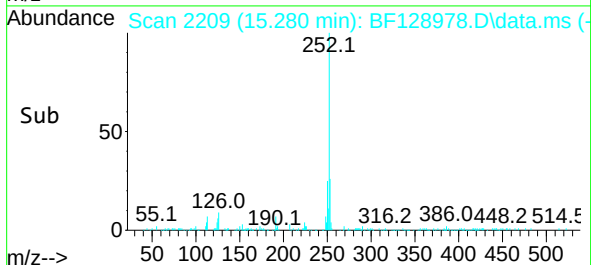
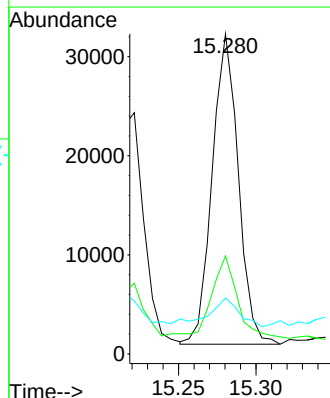
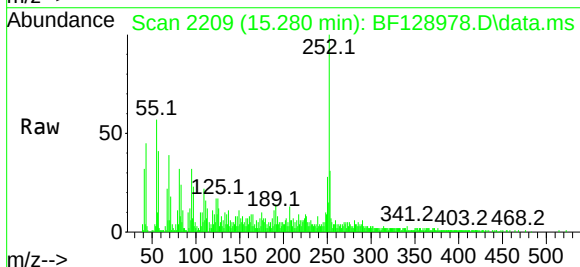
RT: 15.280 min Scan# 2209

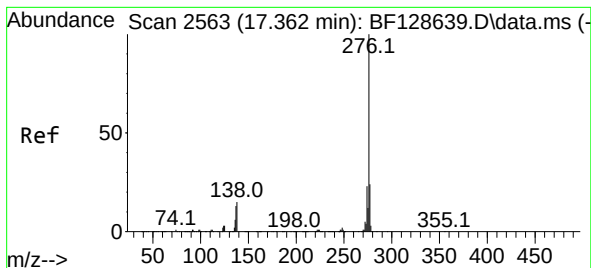
Delta R.T. 0.006 min

Lab File: BF128978.D

Acq: 24 Jun 2022 03:51

Tgt Ion:	252	Resp:	36602
Ion Ratio	Lower	Upper	
252	100		
253	30.6	17.0	25.6
125	17.5	8.8	13.2





#92

Benzo(g,h,i)perylene

Concen: 4.159 ng

RT: 17.186 min Scan# 20019

Delta R.T. 0.018 min

Lab File: BF128978.D

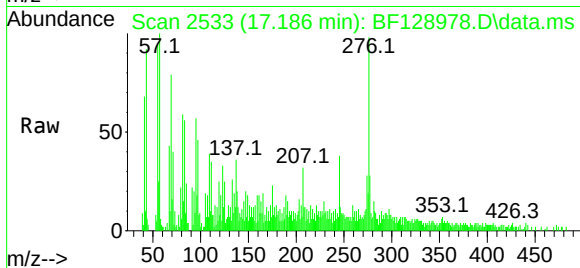
Acq: 24 Jun 2022 03:51

Instrument :

BNA_F

ClientSampleId :

CL-01-062122



Tgt Ion:276 Resp: 20019

Ion Ratio Lower Upper

276 100

277 28.7 19.1 28.7

138 20.4 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/24/2022

Supervised By :Jagrut Upadhyay 06/28/2022

