

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131794.D
 Acq On : 23 Dec 2022 00:36
 Operator : CG\JU
 Sample : N6160-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3051

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/23/2022
 Supervised By : Jagrut Upadhyay 12/24/2022

Quant Time: Dec 23 03:37:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	73507	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	250917	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	117577	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	191378	20.000	ng	0.00
76) Chrysene-d12	14.057	240	134639	20.000	ng	0.00
86) Perylene-d12	15.551	264	102148	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	532887	122.073	ng	0.01
7) Phenol-d6	6.492	99	674988	114.880	ng	0.00
23) Nitrobenzene-d5	7.428	82	463768	75.034	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	125304	97.367	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	652455	77.734	ng	0.00
79) Terphenyl-d14	12.992	244	524366	60.698	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.457	166	19884	2.410	ng	96
71) Phenanthrene	11.427	178	183847	17.617	ng	98
72) Anthracene	11.475	178	50157	4.909	ng	97
73) Carbazole	11.633	167	19895	2.251	ng	97
75) Fluoranthene	12.621	202	244689	21.054	ng	99
78) Pyrene	12.851	202	205128	16.757	ng	99
81) Benzo(a)anthracene	14.045	228	116114	11.974	ng	93
83) Chrysene	14.080	228	103848	11.347	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.056	276	32128	4.683	ng	97
88) Benzo(b)fluoranthene	15.110	252	93766m	12.975	ng	
89) Benzo(k)fluoranthene	15.139	252	22307m	3.163	ng	
90) Benzo(a)pyrene	15.486	252	61493	10.742	ng	# 91
92) Benzo(g,h,i)perylene	17.515	276	34806	6.211	ng	93

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

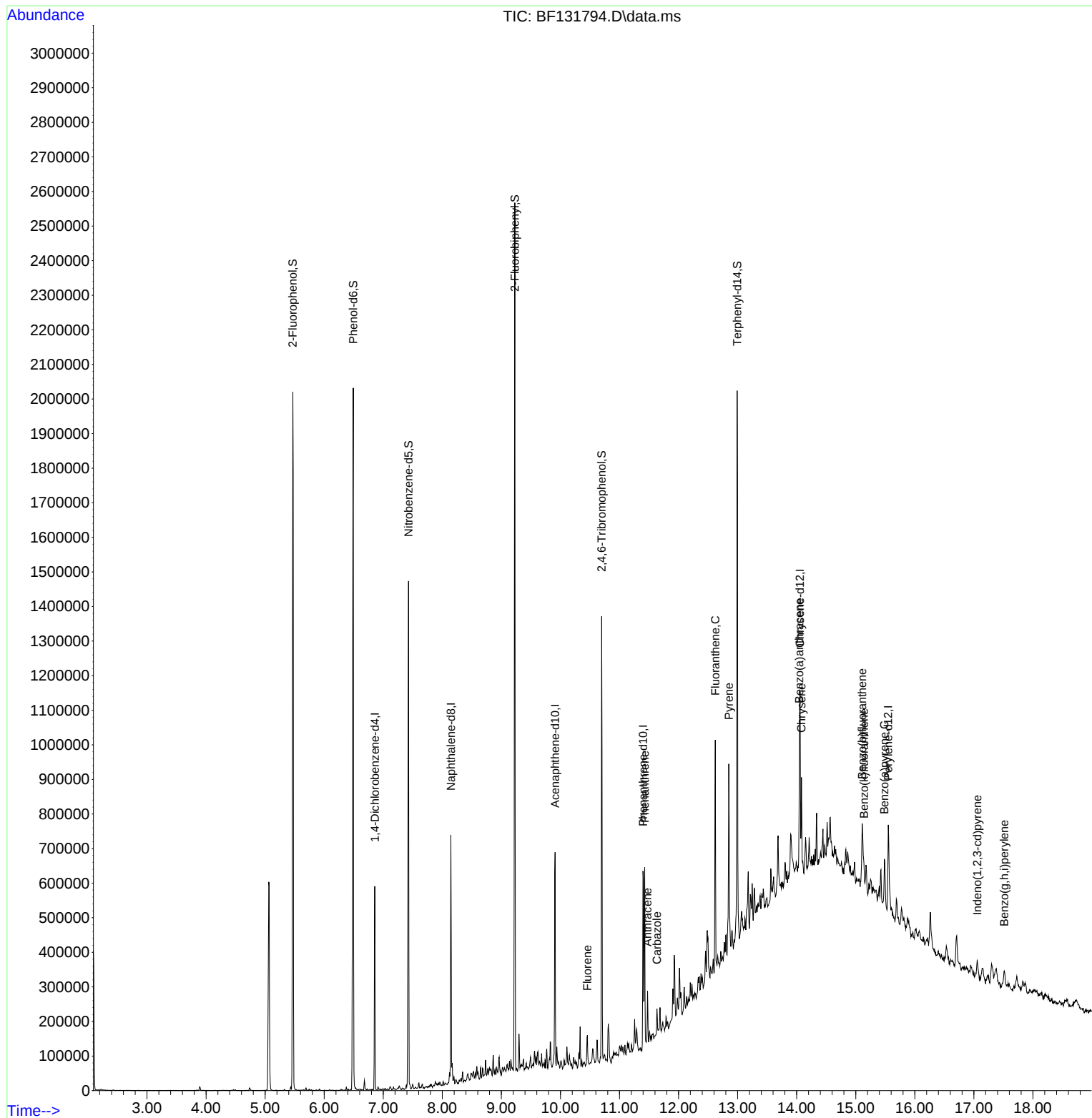
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131794.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

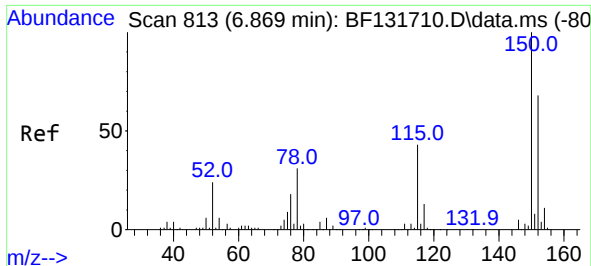
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Quant Time: Dec 23 03:37:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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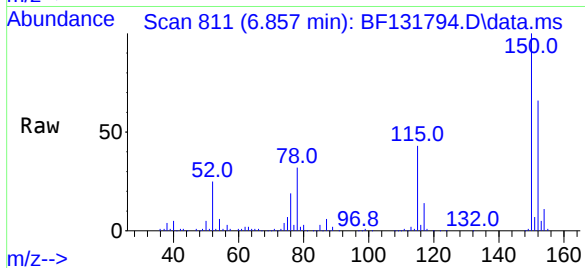
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

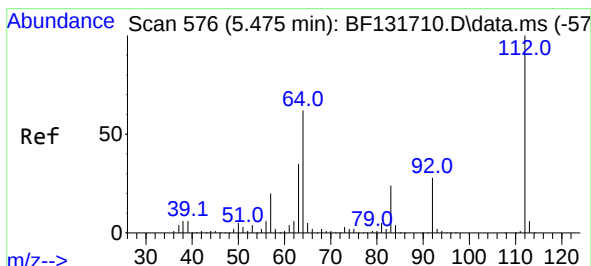
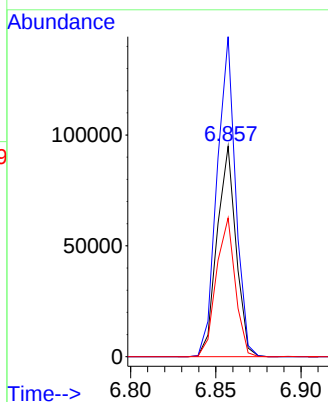
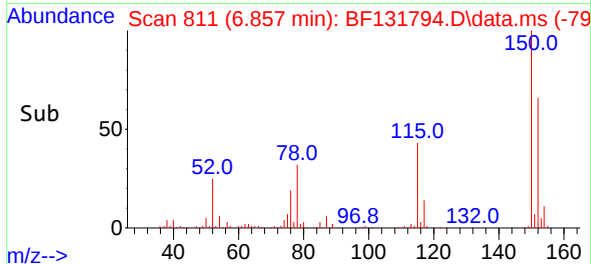
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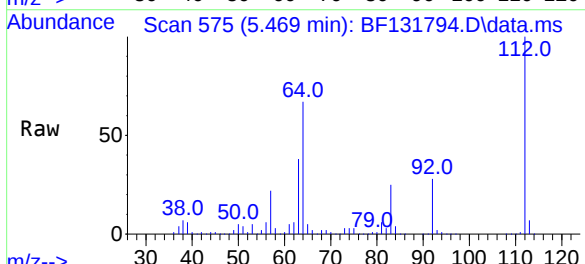
Tgt Ion:152 Resp: 7350
Ion Ratio Lower Upper
152 100
150 152.1 117.4 176.0
115 66.0 50.2 75.4

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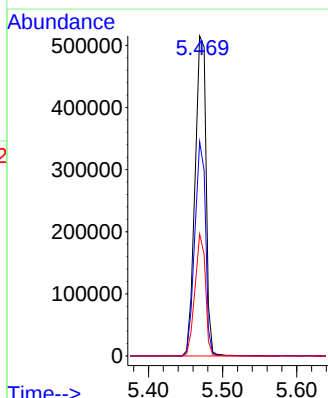
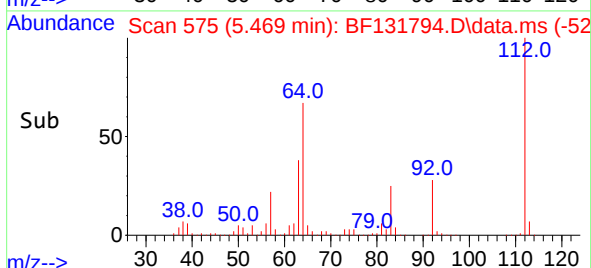
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

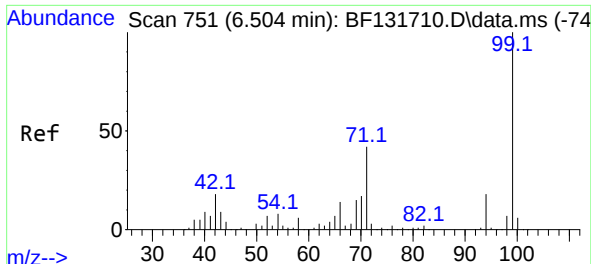


#5
2-Fluorophenol
Concen: 122.073 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36



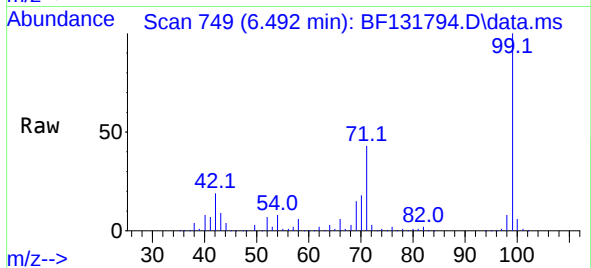
Tgt Ion:112 Resp: 532887
Ion Ratio Lower Upper
112 100
64 67.0 49.5 74.3
63 38.1 28.2 42.2





#7
Phenol-d6
Concen: 114.880 ng
RT: 6.492 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

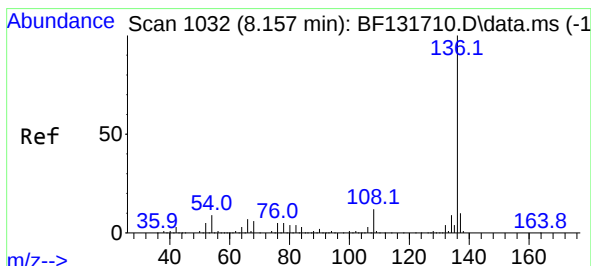
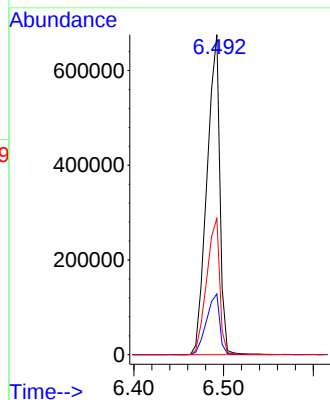
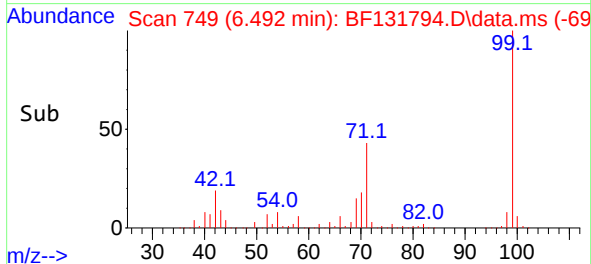
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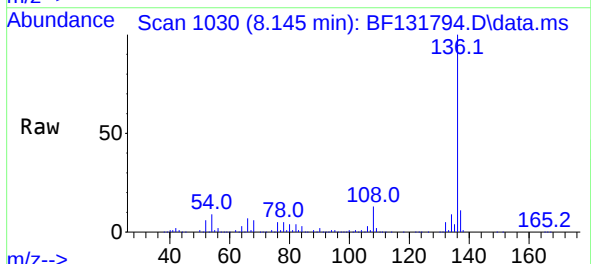
Tgt Ion: 99 Resp: 67498
Ion Ratio Lower Upper
99 100
42 19.0 14.8 22.2
71 42.5 33.8 50.6

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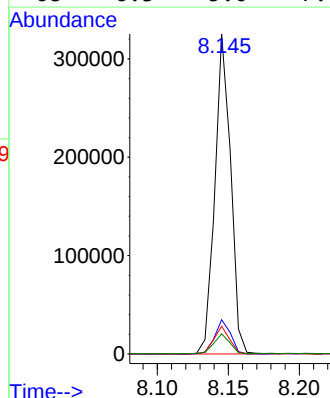
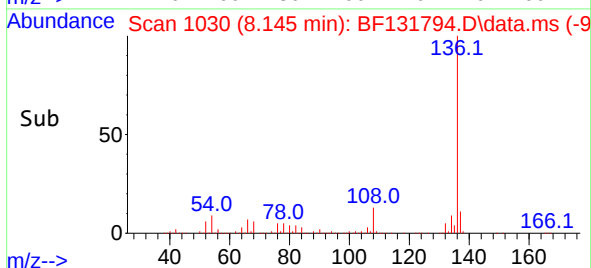
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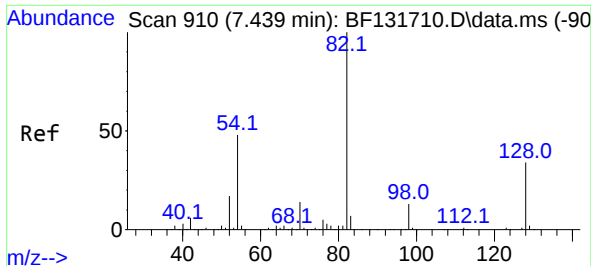


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36



Tgt Ion:136 Resp: 250917
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.7 7.2 10.8
68 6.3 5.0 7.6





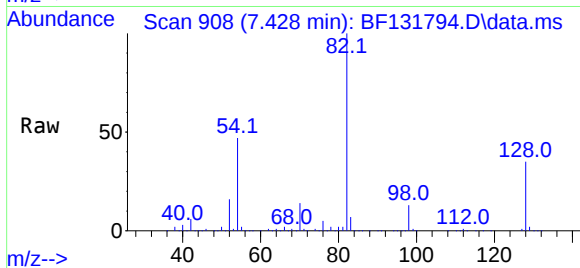
#23
Nitrobenzene-d5
Concen: 75.034 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

COMP-3051

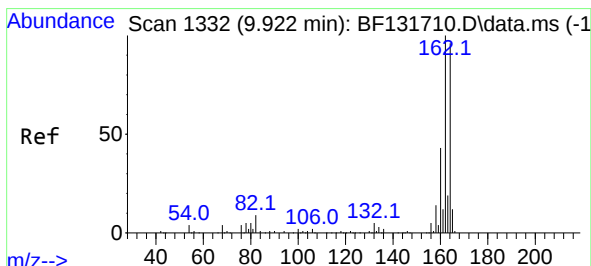
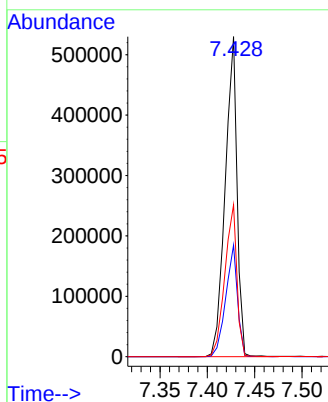
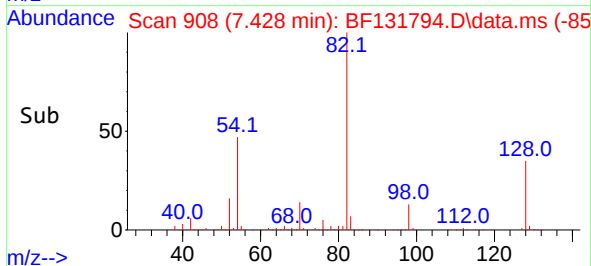


Tgt Ion: 82 Resp: 463768
Ion Ratio Lower Upper
82 100
128 34.9 27.3 40.9
54 47.4 38.2 57.2

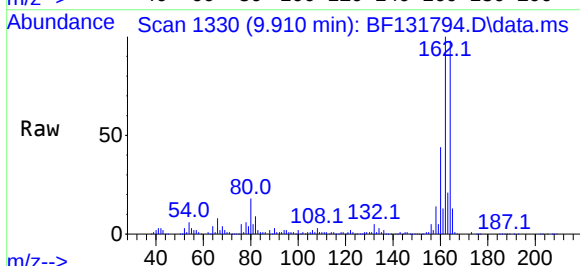
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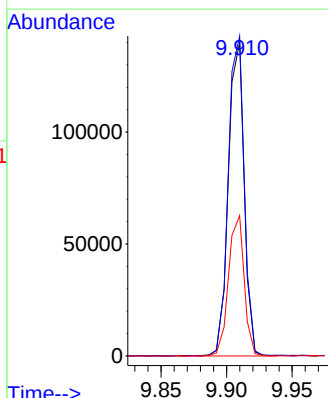
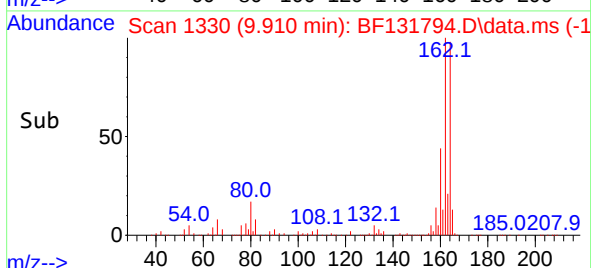
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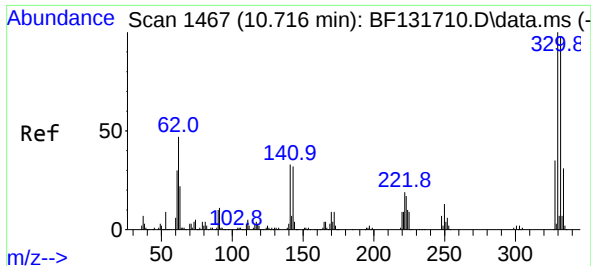


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36



Tgt Ion:164 Resp: 117577
Ion Ratio Lower Upper
164 100
162 102.1 83.7 125.5
160 44.7 36.2 54.4





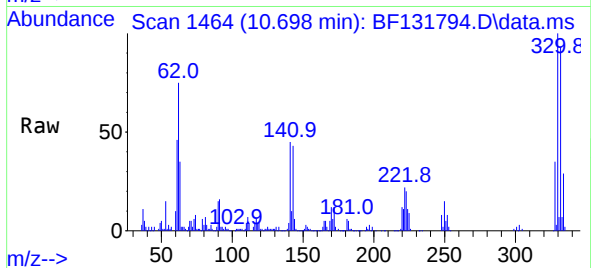
#42
2,4,6-Tribromophenol
Concen: 97.367 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

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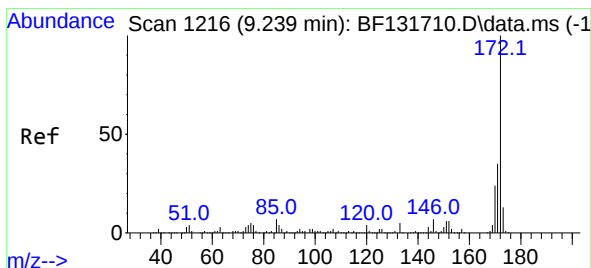
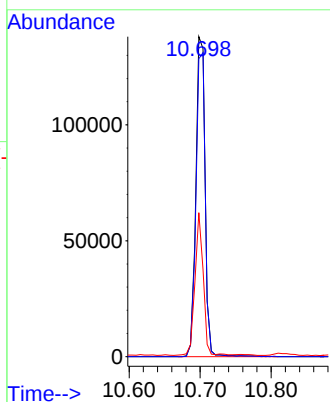
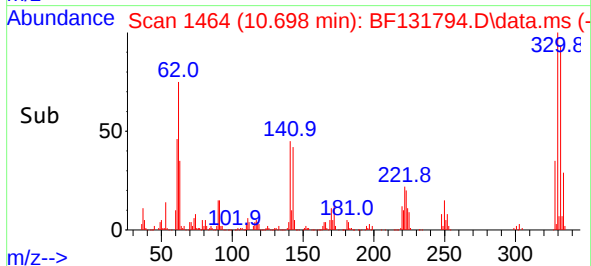


Tgt Ion:330 Resp: 125304
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 39.5 30.4 45.6

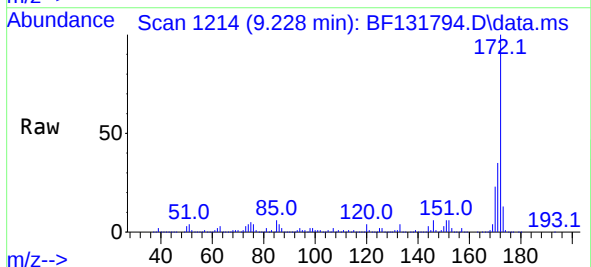
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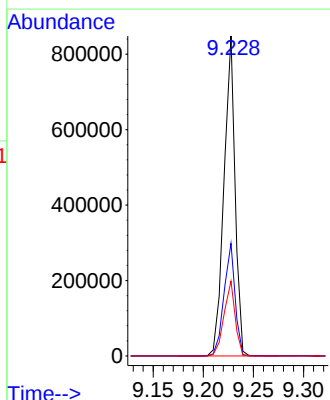
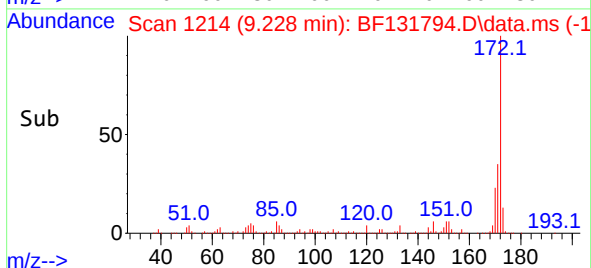
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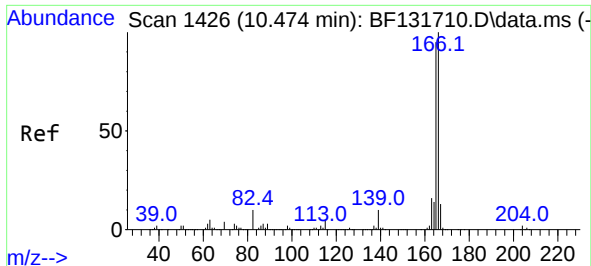


#45
2-Fluorobiphenyl
Concen: 77.734 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36



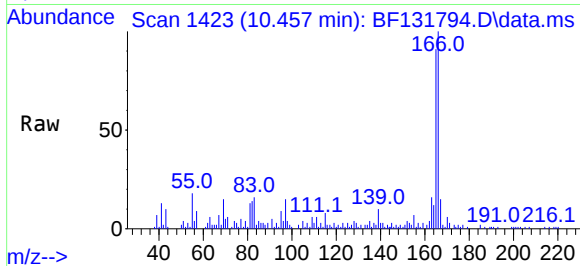
Tgt Ion:172 Resp: 652455
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.4 19.0 28.4





#58
Fluorene
Concen: 2.410 ng
RT: 10.457 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

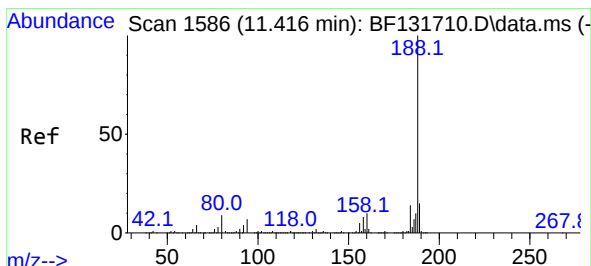
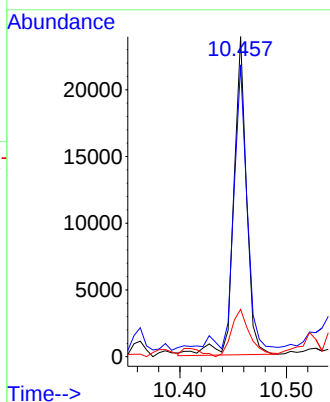
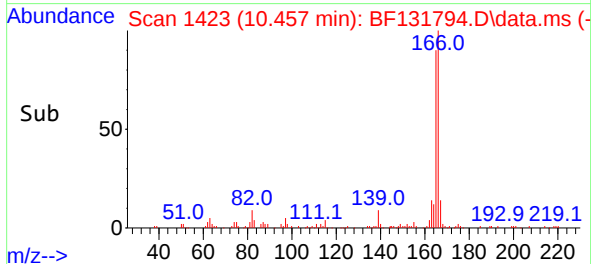
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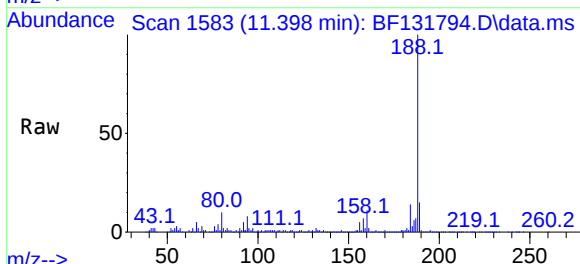
Tgt Ion:166 Resp: 19884
Ion Ratio Lower Upper
166 100
165 91.2 75.8 113.8
167 14.8 10.6 15.8

Manual Integrations
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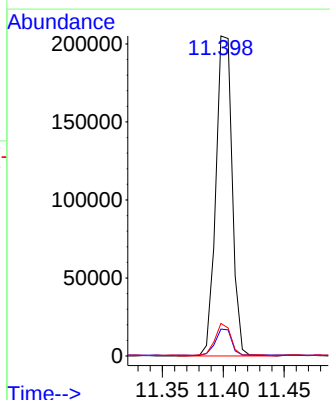
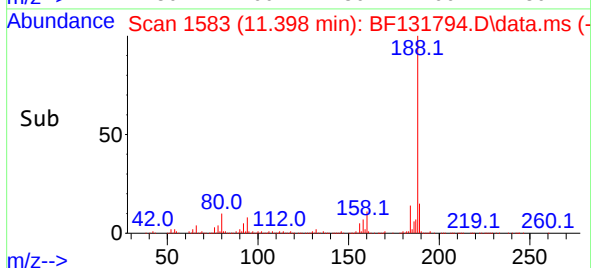
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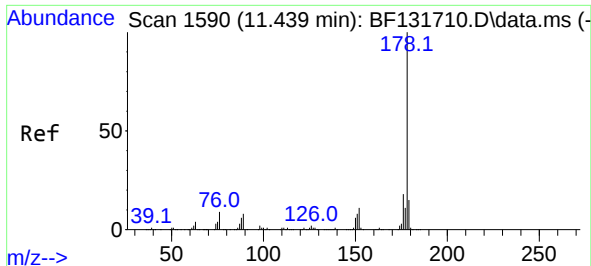


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36



Tgt Ion:188 Resp: 191378
Ion Ratio Lower Upper
188 100
94 8.4 5.9 8.9
80 10.1 7.0 10.6





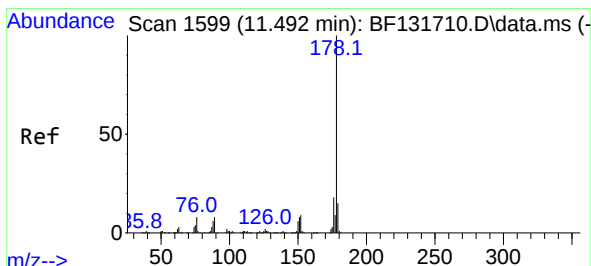
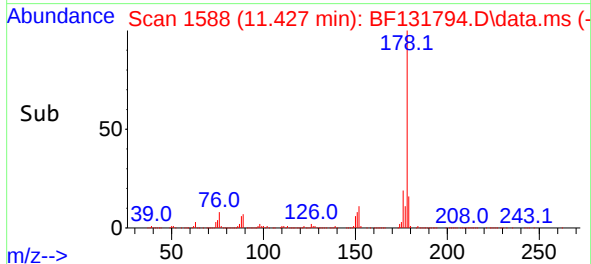
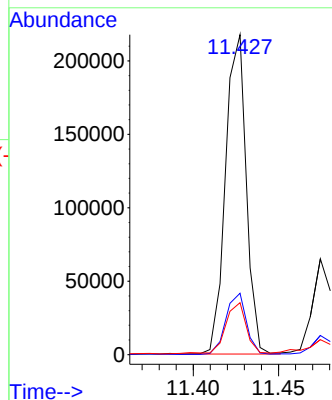
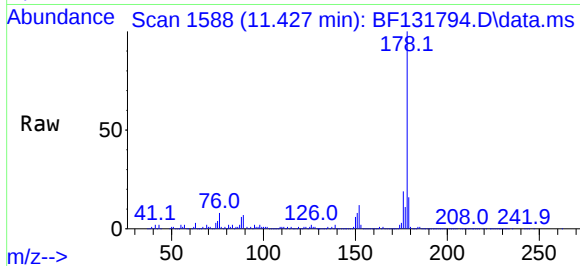
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Phenanthrene
Concen: 17.617 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Instrument :
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Tgt Ion:178 Resp: 18384
Ion Ratio Lower Upper
178 100
176 19.2 14.8 22.2
179 16.3 12.2 18.4

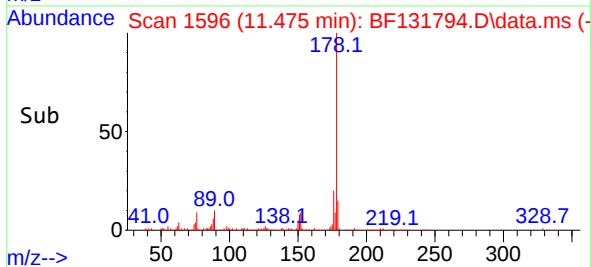
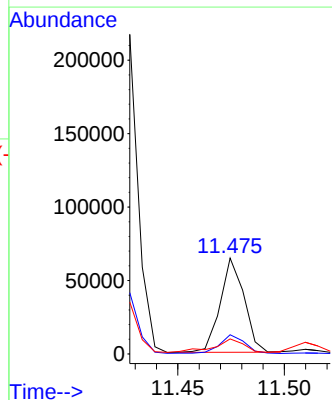
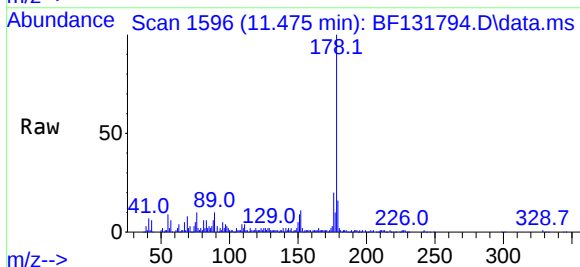
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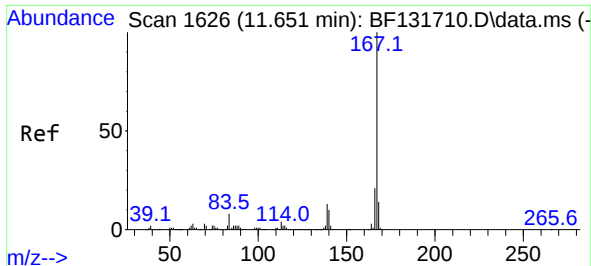
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#72
Anthracene
Concen: 4.909 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

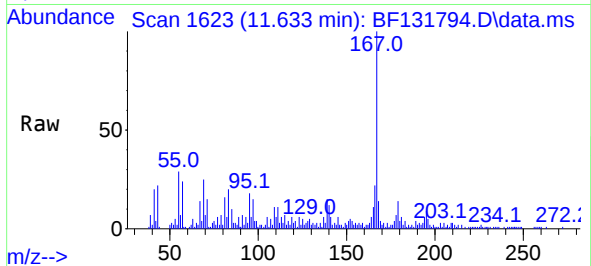
Tgt Ion:178 Resp: 50157
Ion Ratio Lower Upper
178 100
176 20.0 14.6 21.8
179 15.8 12.2 18.4





#73
 Carbazole
 Concen: 2.251 ng
 RT: 11.633 min Scan# 1623
 Delta R.T. -0.000 min
 Lab File: BF131794.D
 Acq: 23 Dec 2022 00:36

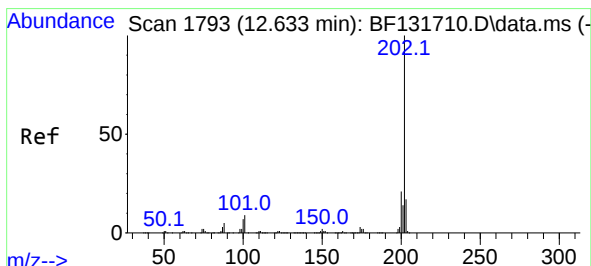
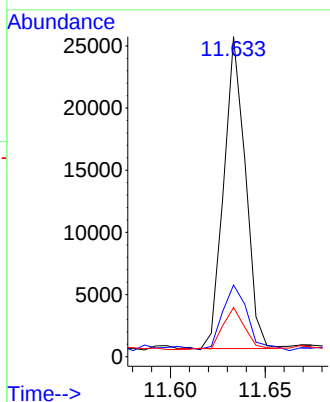
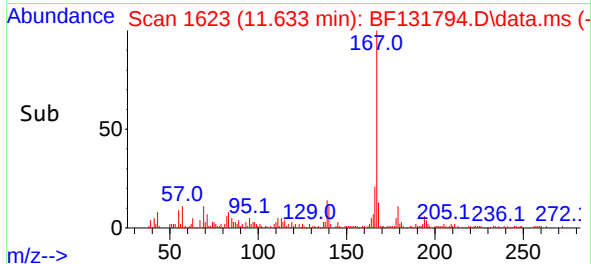
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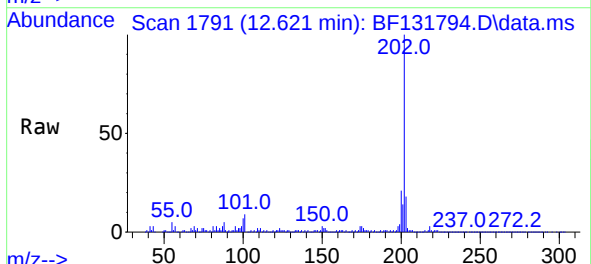
Tgt Ion:167 Resp: 1989
 Ion Ratio Lower Upper
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 166 22.4 17.1 25.7
 139 15.4 10.5 15.7

Manual Integrations
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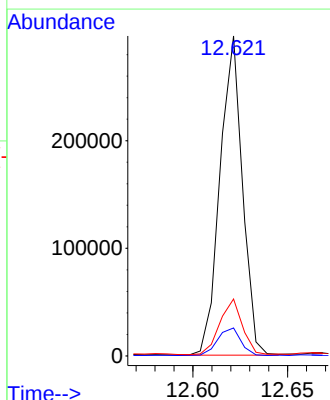
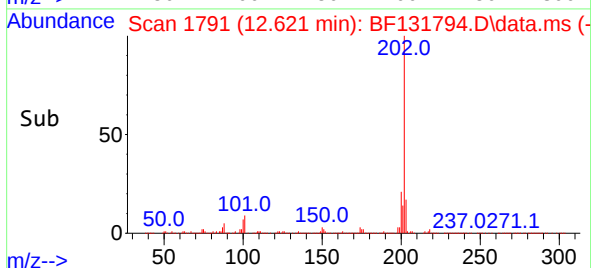
Reviewed By :Christian Giraldo 12/23/2022
 Supervised By :Jagrut Upadhyay 12/24/2022

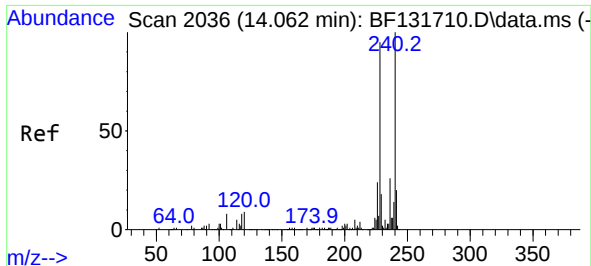


#75
 Fluoranthene
 Concen: 21.054 ng
 RT: 12.621 min Scan# 1791
 Delta R.T. 0.006 min
 Lab File: BF131794.D
 Acq: 23 Dec 2022 00:36



Tgt Ion:202 Resp: 244689
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 28.8
 203 17.8 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

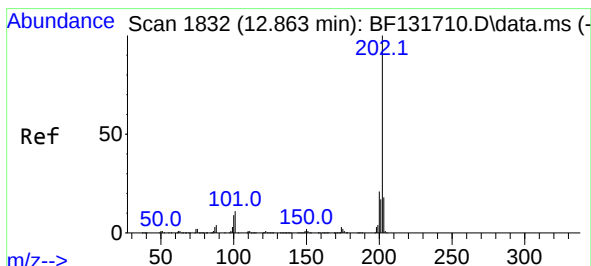
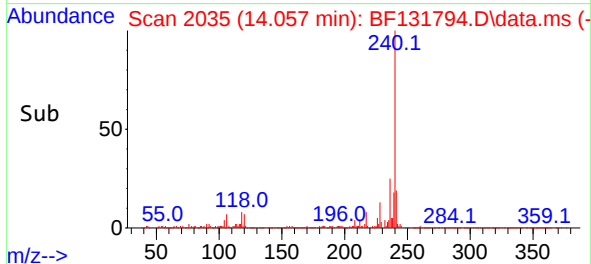
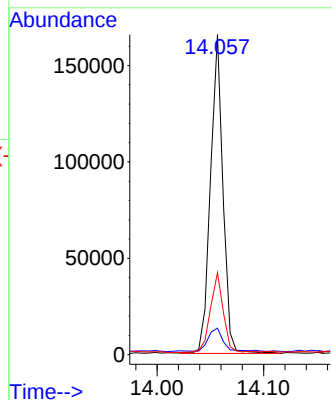
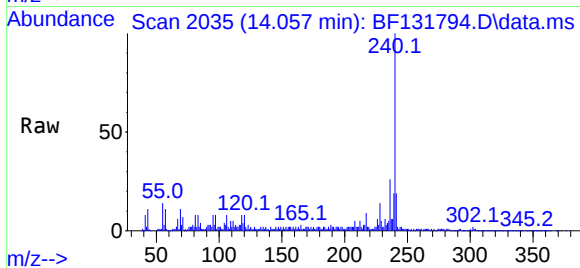
COMP-3051

Tgt Ion:240 Resp: 134639
Ion Ratio Lower Upper
240 100
120 8.3 7.6 11.4
236 25.6 21.2 31.8

Manual Integrations

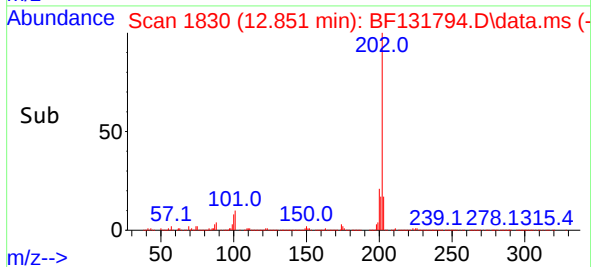
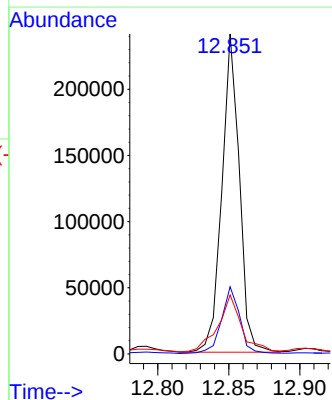
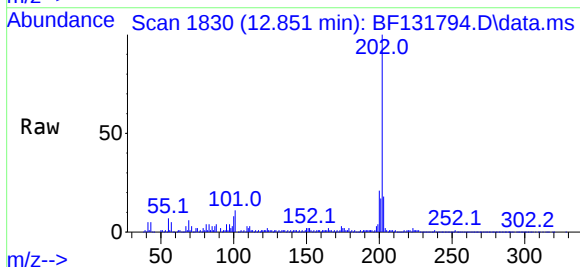
APPROVED

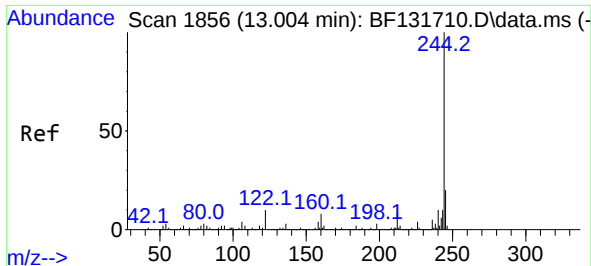
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#78
Pyrene
Concen: 16.757 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion:202 Resp: 205128
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 18.5 14.1 21.1





#79
Terphenyl-d14
Concen: 60.698 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

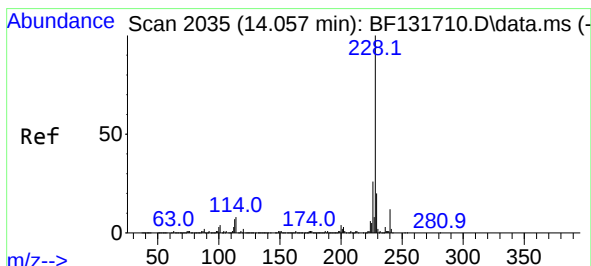
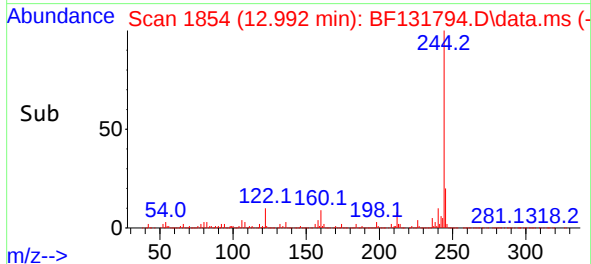
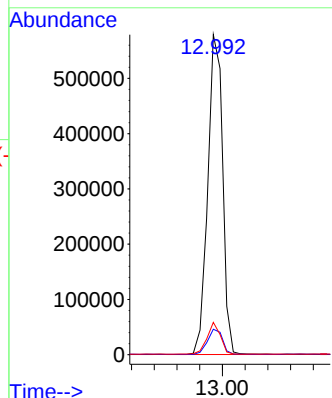
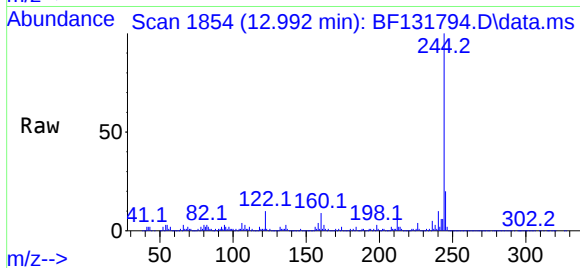
COMP-3051

Tgt Ion:244 Resp: 524360
Ion Ratio Lower Upper
244 100
212 8.0 6.5 9.7
122 10.1 7.7 11.5

Manual Integrations

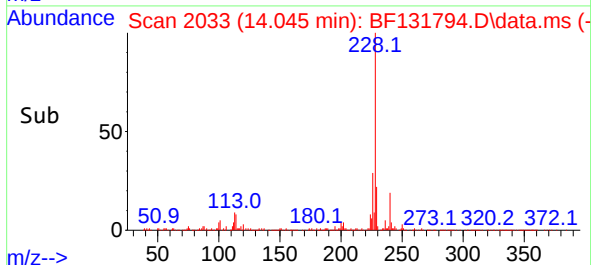
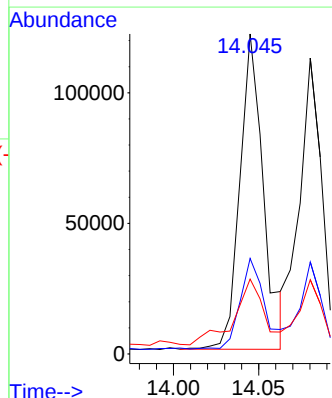
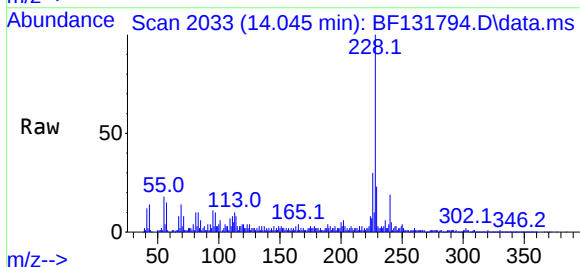
APPROVED

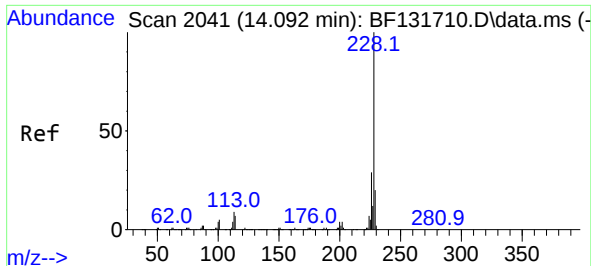
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#81
Benzo(a)anthracene
Concen: 11.974 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion:228 Resp: 116114
Ion Ratio Lower Upper
228 100
226 29.8 21.0 31.4
229 23.4 15.8 23.8





#83
Chrysene
Concen: 11.347 ng
RT: 14.080 min Scan# 2041
Delta R.T. 0.006 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

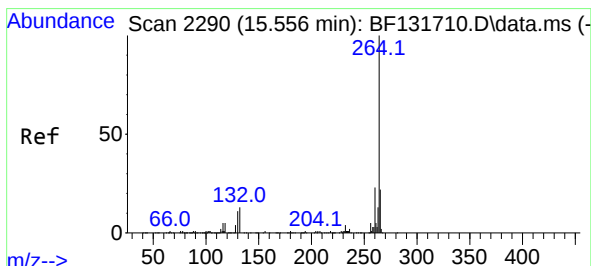
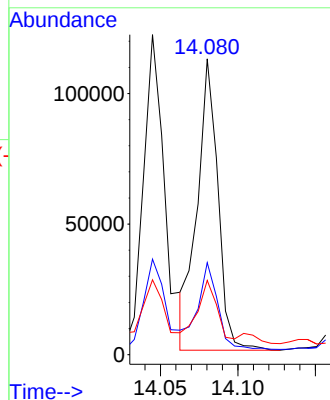
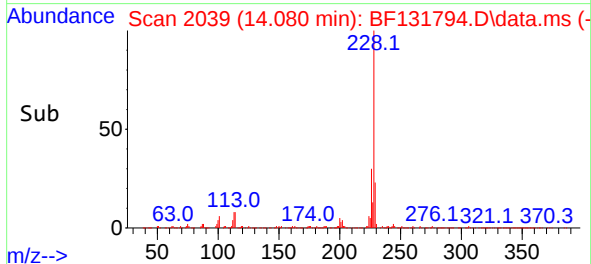
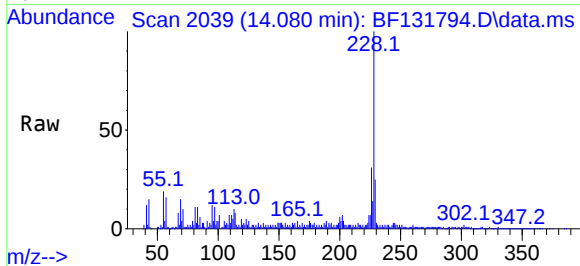
COMP-3051

Tgt Ion:228 Resp: 10384
Ion Ratio Lower Upper
228 100
226 31.1 23.5 35.3
229 25.1 15.6 23.4

Manual Integrations

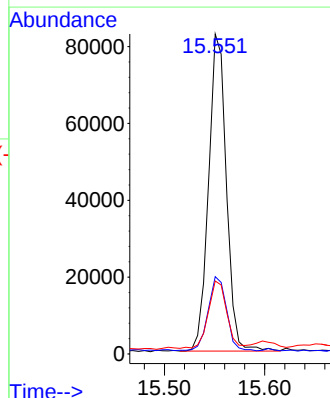
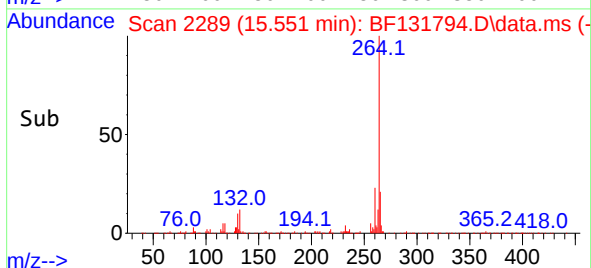
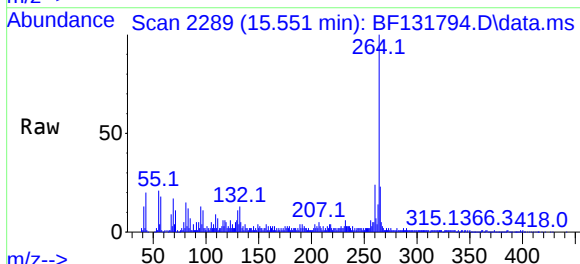
APPROVED

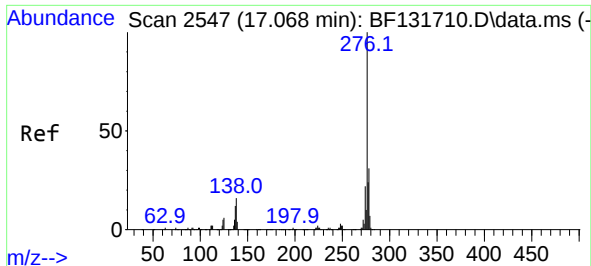
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.018 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion:264 Resp: 102148
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 22.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.683 ng
RT: 17.056 min Scan# 2114
Delta R.T. 0.017 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

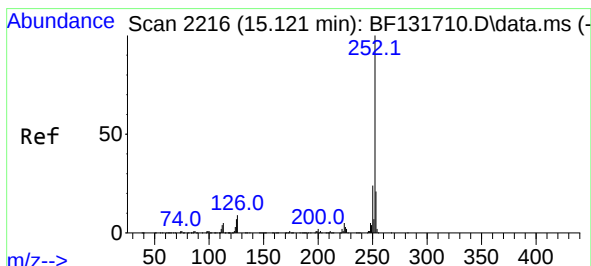
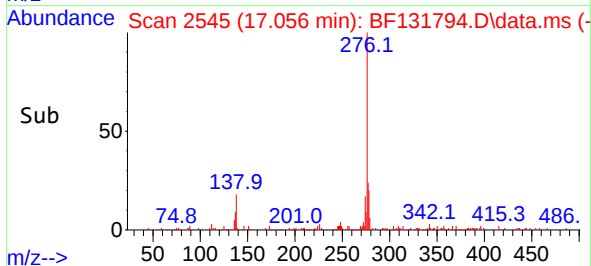
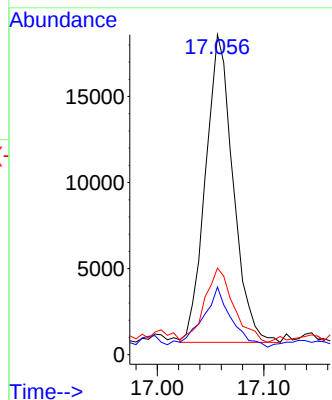
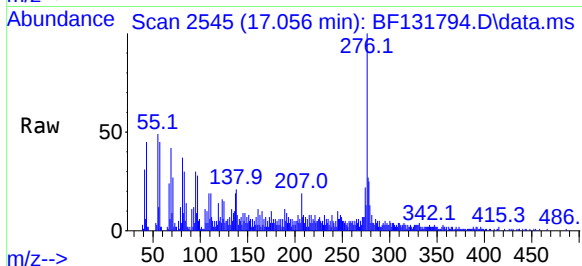
COMP-3051

Tgt Ion:276 Resp: 32128
Ion Ratio Lower Upper
276 100
138 20.5 14.4 21.6
277 25.3 19.8 29.8

Manual Integrations

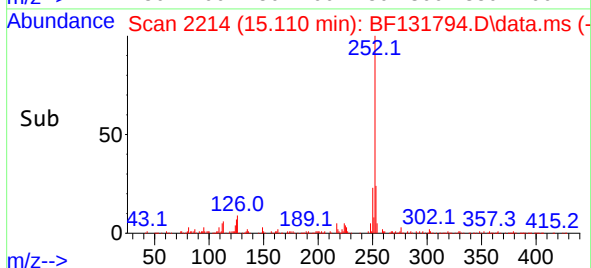
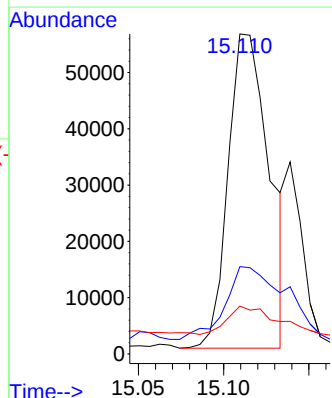
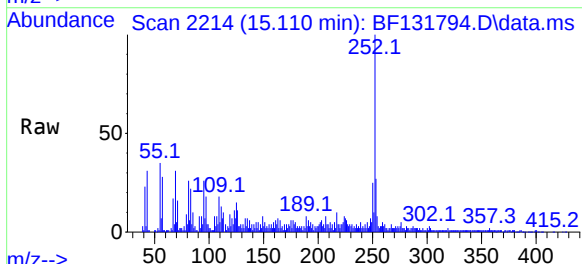
APPROVED

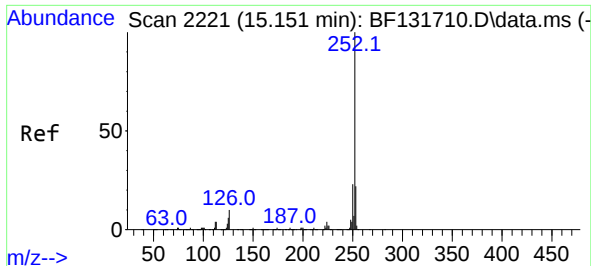
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#88
Benzo(b)fluoranthene
Concen: 12.975 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.012 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Tgt Ion:252 Resp: 93766
Ion Ratio Lower Upper
252 100
253 27.3 17.2 25.8#
125 15.0 5.5 8.3#





#89

Benzo(k)fluoranthene

Concen: 3.163 ng m

RT: 15.139 min Scan# 2221

Delta R.T. 0.012 min

Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

Instrument :

BNA_F

ClientSampleId :

COMP-3051

Tgt Ion:252 Resp: 22307

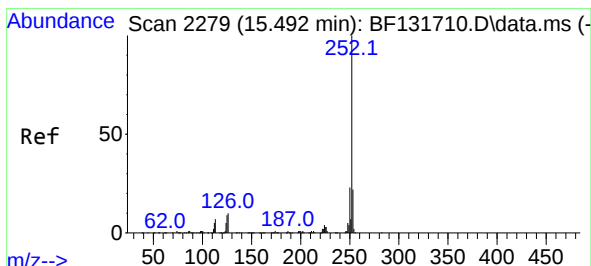
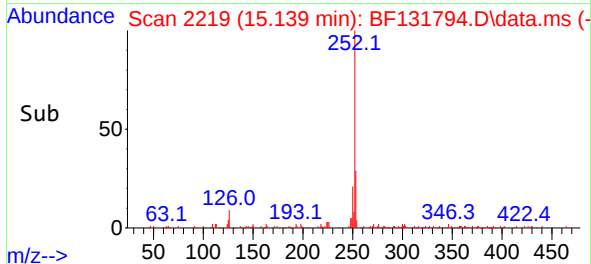
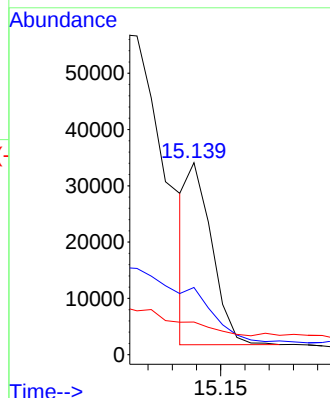
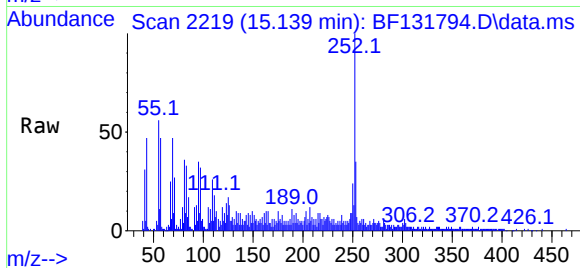
Ion	Ratio	Lower	Upper
252	100		
253	35.0	17.8	26.8
125	17.0	5.2	7.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/23/2022

Supervised By :Jagrut Upadhyay 12/24/2022



#90

Benzo(a)pyrene

Concen: 10.742 ng

RT: 15.486 min Scan# 2278

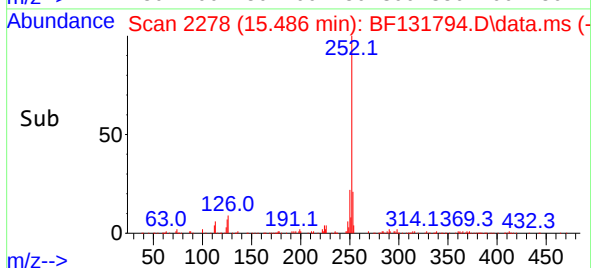
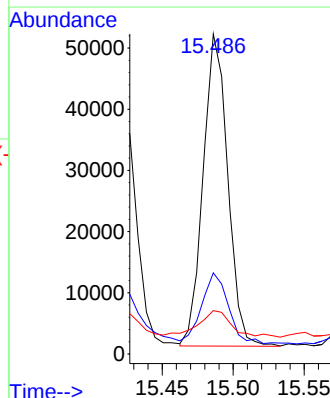
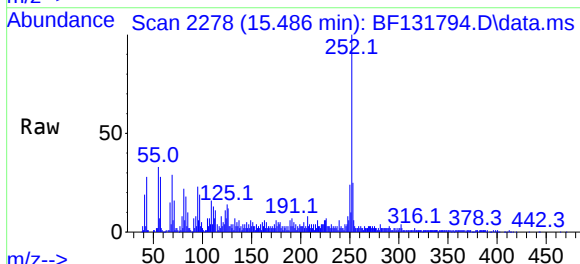
Delta R.T. 0.012 min

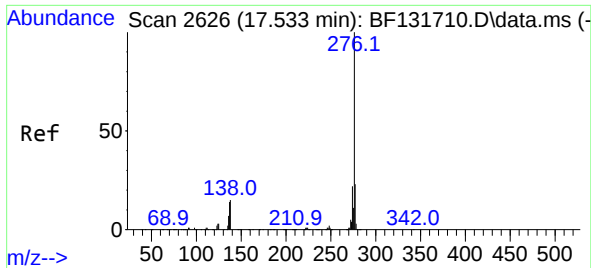
Lab File: BF131794.D

Acq: 23 Dec 2022 00:36

Tgt Ion:252 Resp: 61493

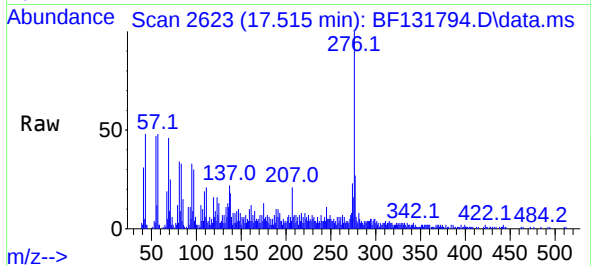
Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	13.5	7.0	10.4





#92
Benzo(g,h,i)perylene
Concen: 6.211 ng
RT: 17.515 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF131794.D
Acq: 23 Dec 2022 00:36

Instrument :
BNA_F
ClientSampleId :
COMP-3051



Tgt Ion: 276 Resp: 34800
Ion Ratio Lower Upper
276 100
277 27.1 18.3 27.5
138 17.6 12.3 18.5

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 12/23/2022
Supervised By : Jagrut Upadhyay 12/24/2022

