

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143811.D
 Acq On : 25 Sep 2025 18:51
 Operator : RC/JU
 Sample : Q3183-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025

Quant Time: Sep 25 23:24:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

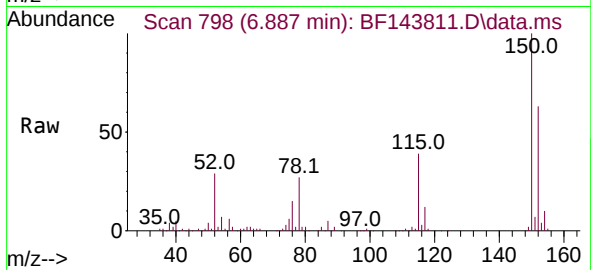
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	114574	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	393692	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	168973	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	246378	20.000	ng	0.00
76) Chrysene-d12	14.051	240	410102	20.000	ng	-0.01
86) Perylene-d12	15.533	264	588320	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	573221	81.285	ng	0.00
7) Phenol-d6	6.498	99	660311	81.038	ng	-0.01
23) Nitrobenzene-d5	7.440	82	384587	59.796	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	202257	80.841	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	664710	61.387	ng	0.00
79) Terphenyl-d14	12.998	244	899681	44.616	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.845	122	9481m	3.508	ng	
75) Fluoranthene	12.622	202	63718	5.008	ng	99
78) Pyrene	12.851	202	66038	3.275	ng	99
81) Benzo(a)anthracene	14.045	228	51321	2.329	ng	98
83) Chrysene	14.074	228	50918	2.554	ng	98
88) Benzo(b)fluoranthene	15.098	252	100277m	3.347	ng	
90) Benzo(a)pyrene	15.468	252	67051	2.381	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

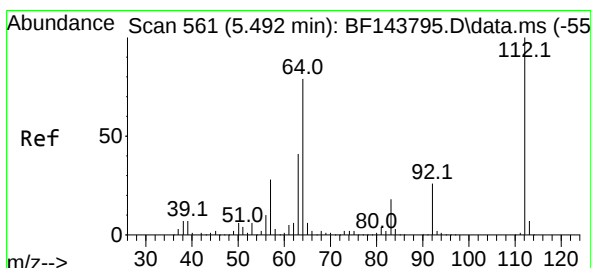
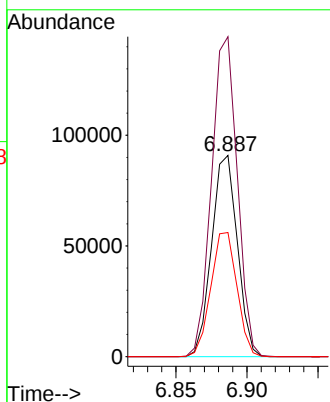
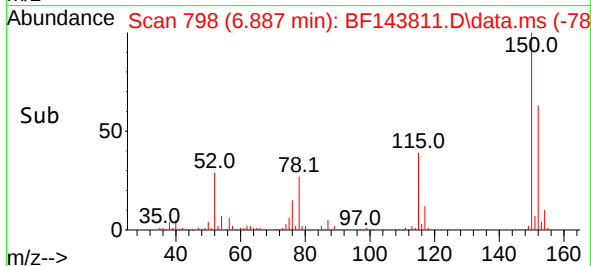
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WC-4



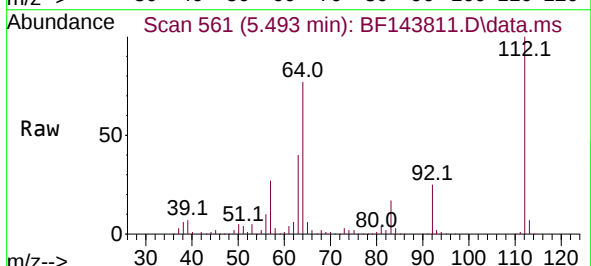
Tgt Ion:152 Resp: 114574
Ion Ratio Lower Upper
152 100
150 159.0 129.6 194.4
115 61.7 49.0 73.4

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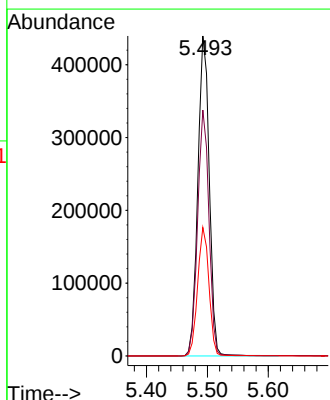
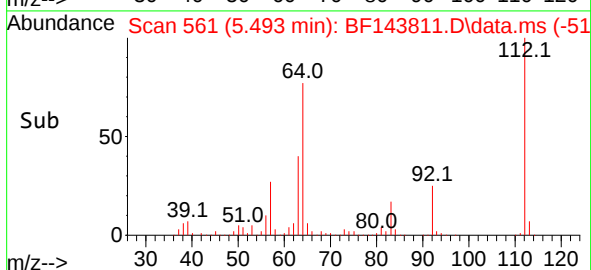
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#5
2-Fluorophenol
Concen: 81.285 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51



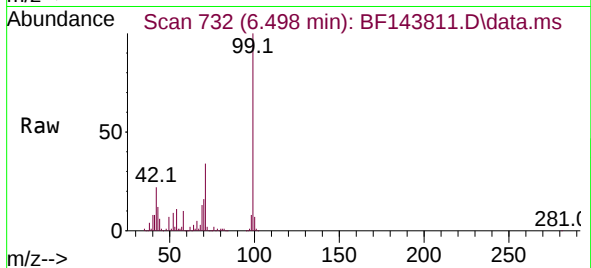
Tgt Ion:112 Resp: 573221
Ion Ratio Lower Upper
112 100
64 76.8 63.0 94.4
63 40.1 32.6 49.0





#7
Phenol-d6
Concen: 81.038 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

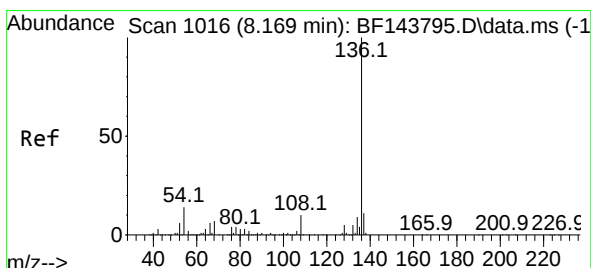
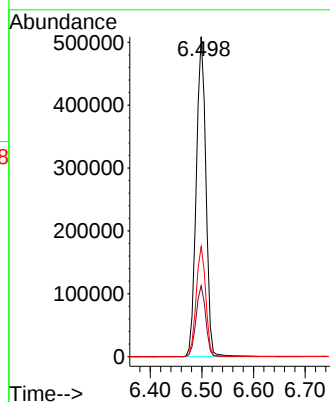
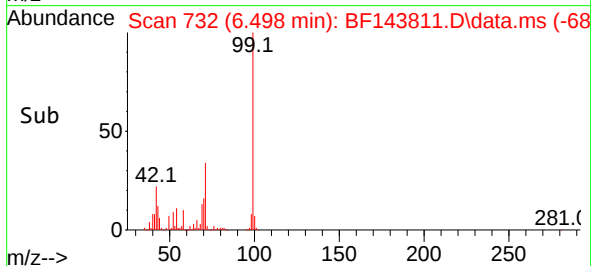
Instrument :
BNA_F
ClientSampleId :
WC-4



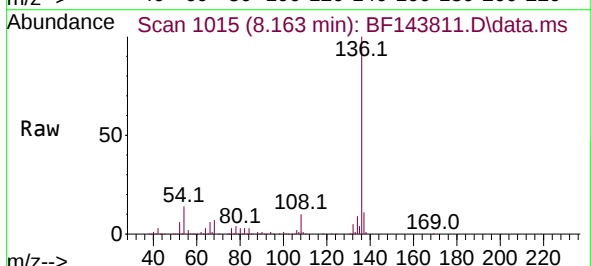
Tgt Ion: 99 Resp: 660311
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 34.4 27.0 40.4

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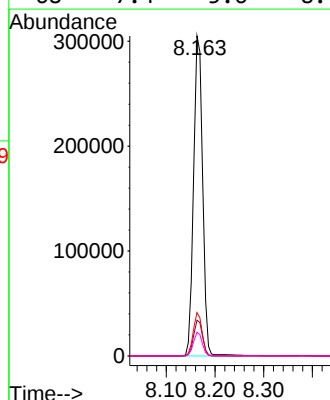
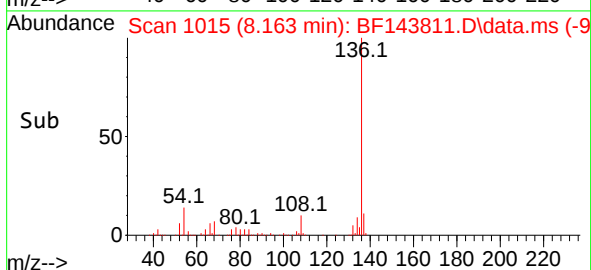
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

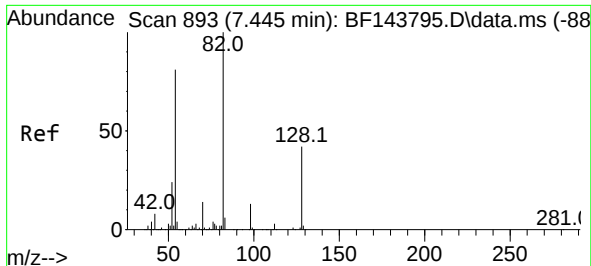


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51



Tgt Ion:136 Resp: 393692
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 13.5 11.2 16.8
68 7.4 5.6 8.4





#23

Nitrobenzene-d5

Concen: 59.796 ng

RT: 7.440 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

Instrument :

BNA_F

ClientSampleId :

WC-4

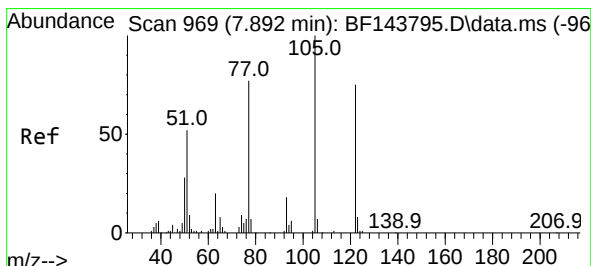
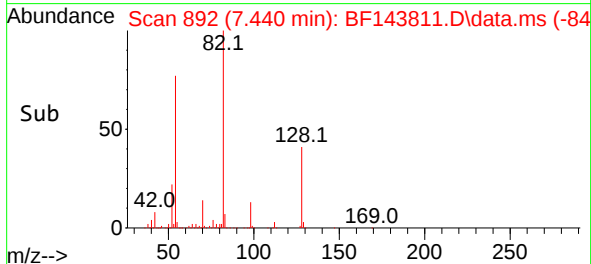
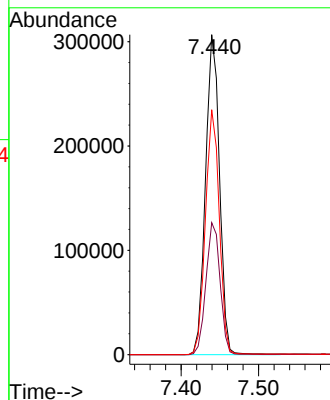
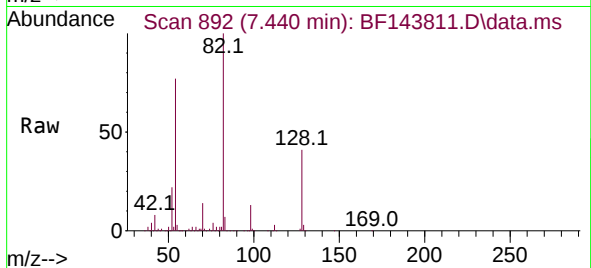
Tgt Ion: 82 Resp: 38458
 Ion Ratio Lower Upper
 82 100
 128 41.2 33.3 49.9
 54 76.5 64.2 96.4

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#32

Benzoic acid

Concen: 3.508 ng m

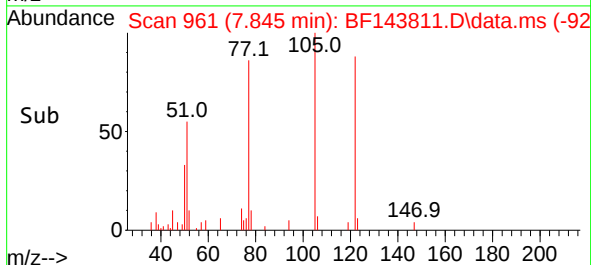
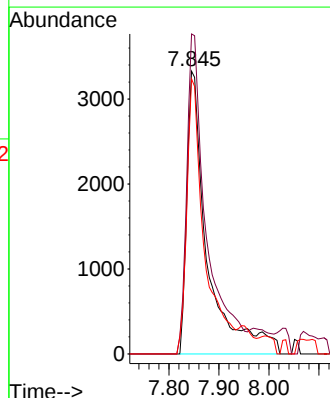
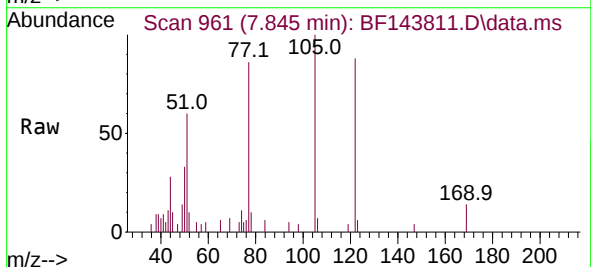
RT: 7.845 min Scan# 961

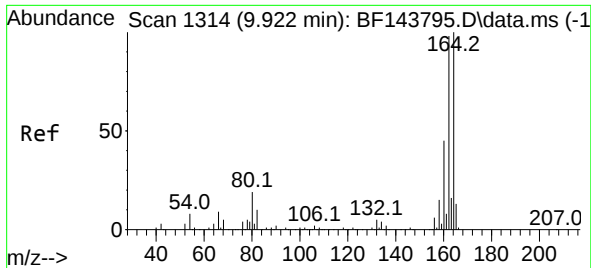
Delta R.T. -0.076 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

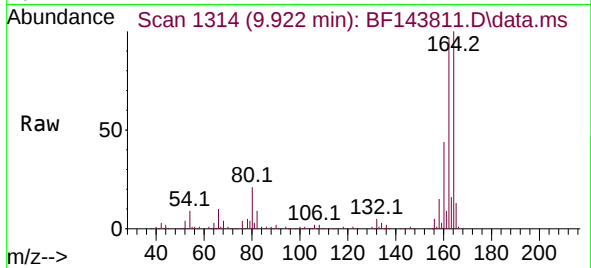
Tgt Ion:122 Resp: 9481
 Ion Ratio Lower Upper
 122 100
 105 113.2 103.7 143.7
 77 97.3 78.8 118.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

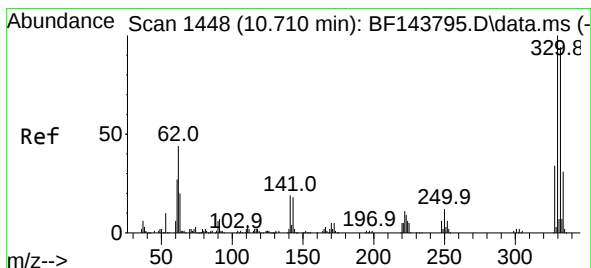
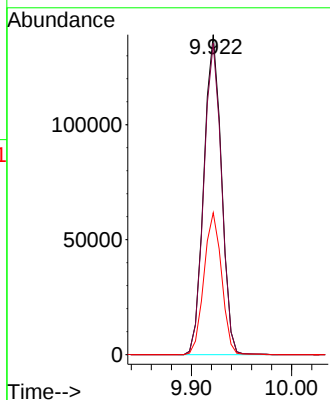
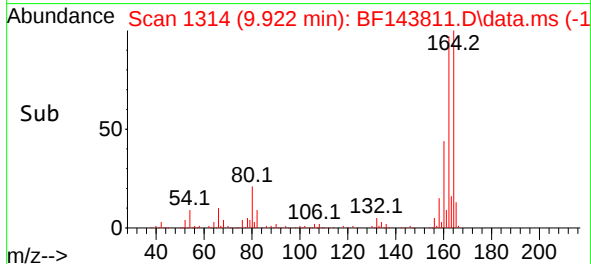
Instrument :
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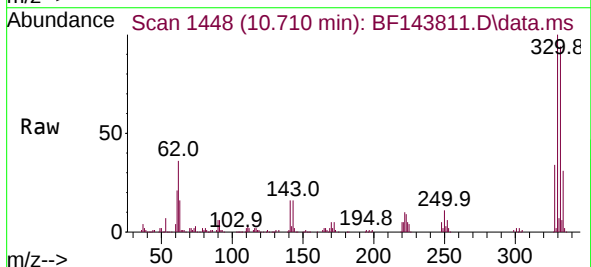
Tgt Ion:164 Resp: 168973
Ion Ratio Lower Upper
164 100
162 97.3 78.8 118.2
160 44.3 35.8 53.6

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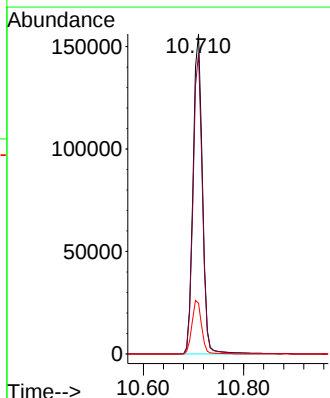
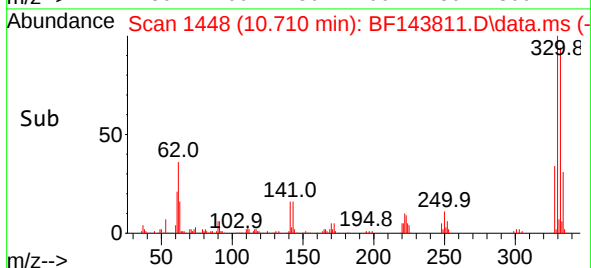
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

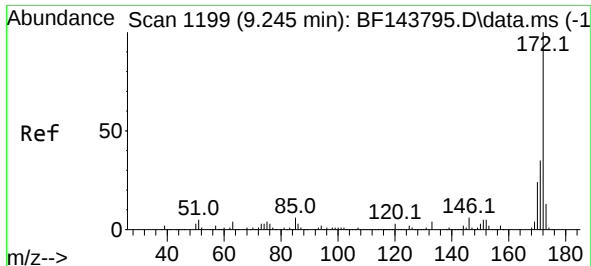


#42
2,4,6-Tribromophenol
Concen: 80.841 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51



Tgt Ion:330 Resp: 202257
Ion Ratio Lower Upper
330 100
332 93.6 74.7 112.1
141 17.0 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 61.387 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

Instrument :

BNA_F

ClientSampleId :

WC-4

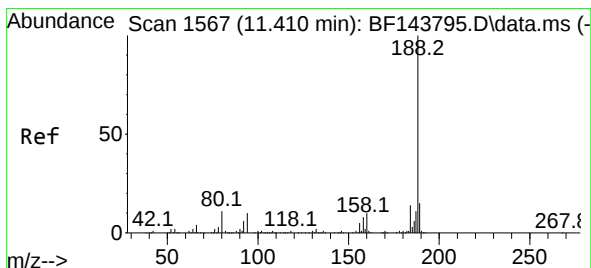
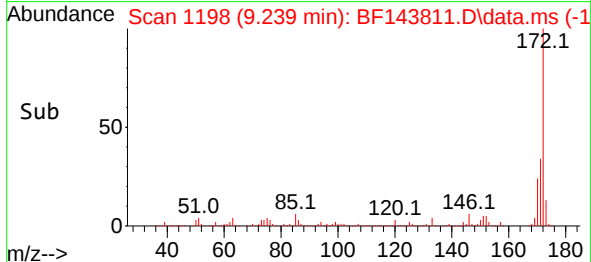
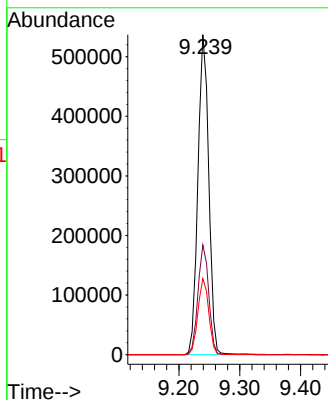
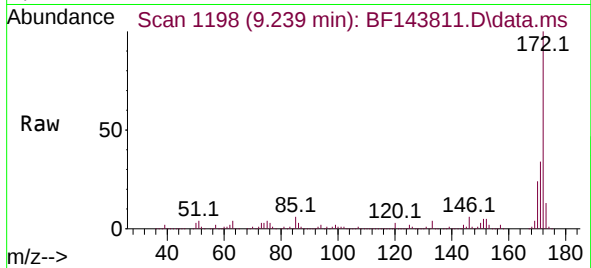
Tgt Ion:172 Resp: 664710
 Ion Ratio Lower Upper
 172 100
 171 34.3 27.9 41.9
 170 23.8 19.1 28.7

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#64

Phenanthrene-d10

Concen: 20.000 ng

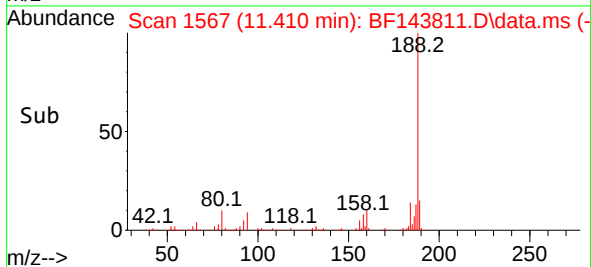
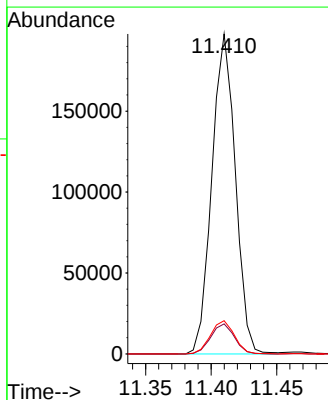
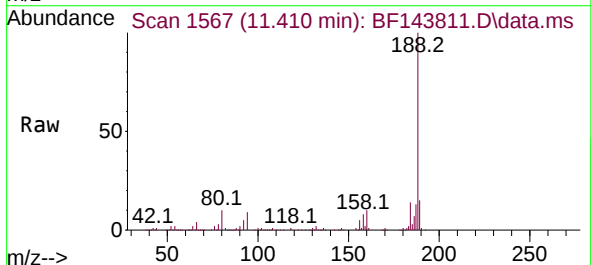
RT: 11.410 min Scan# 1567

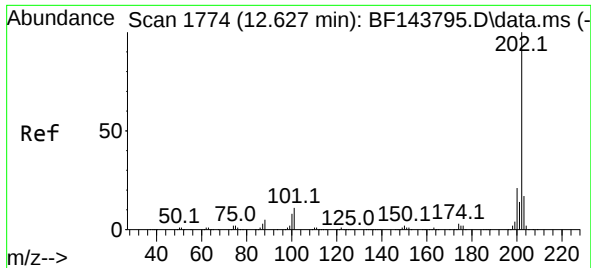
Delta R.T. -0.006 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

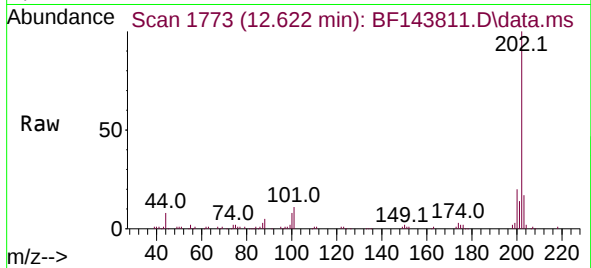
Tgt Ion:188 Resp: 246378
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.2 12.2
 80 10.4 8.6 12.8





#75
Fluoranthene
Concen: 5.008 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

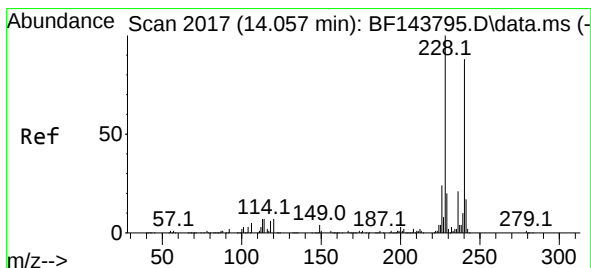
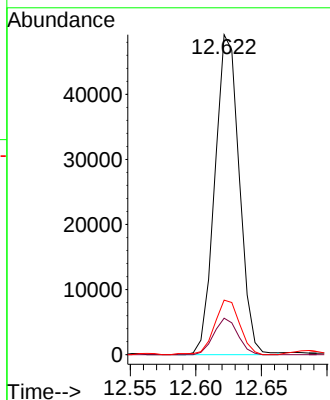
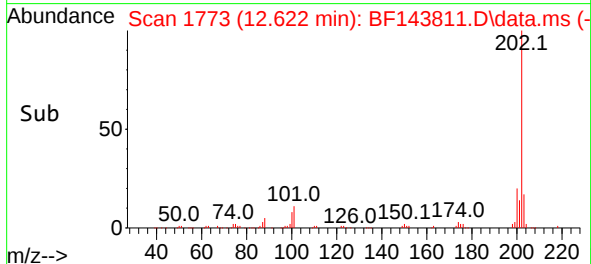
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:202 Resp: 63718
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.1
203 17.0 0.0 37.4

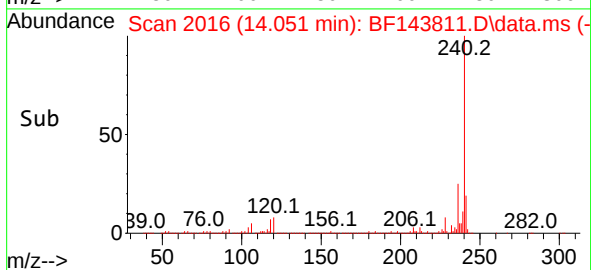
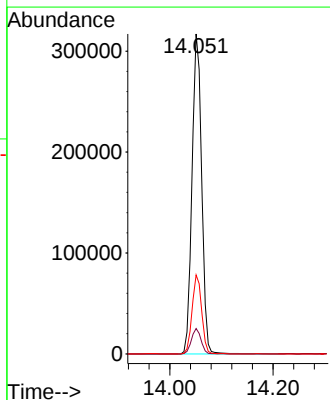
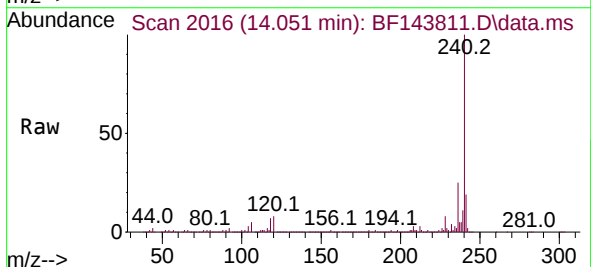
Manual Integrations
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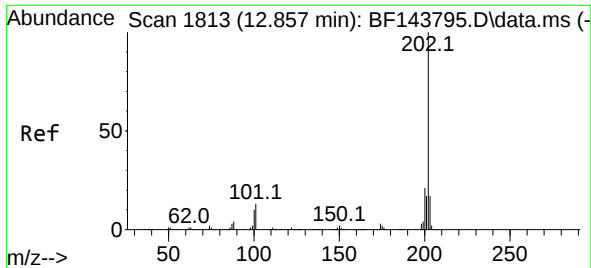
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

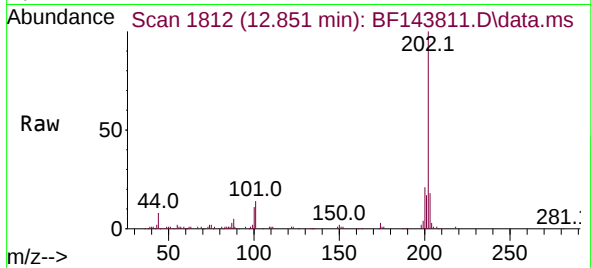
Tgt Ion:240 Resp: 410102
Ion Ratio Lower Upper
240 100
120 7.9 6.2 9.4
236 24.7 19.4 29.2





#78
Pyrene
Concen: 3.275 ng
RT: 12.851 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

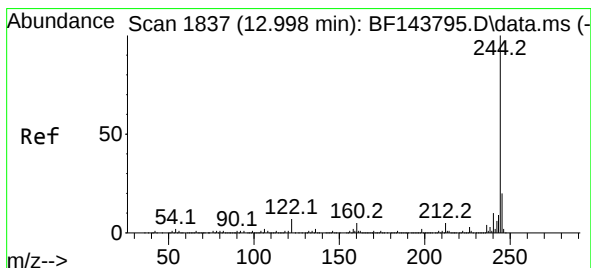
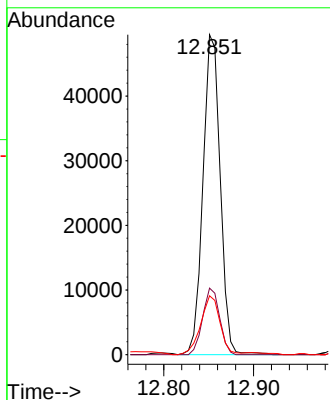
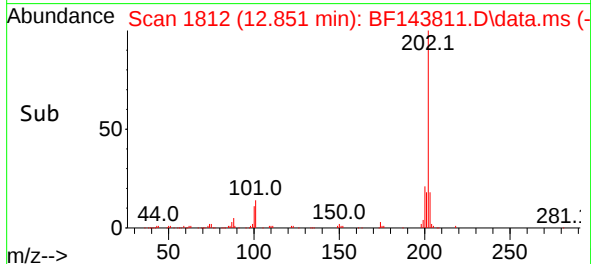
Instrument :
BNA_F
ClientSampleId :
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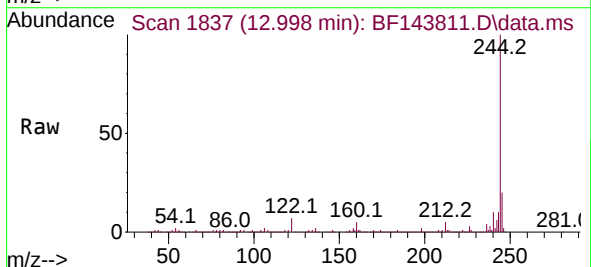
Tgt Ion:202 Resp: 66038
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 18.4 13.9 20.9

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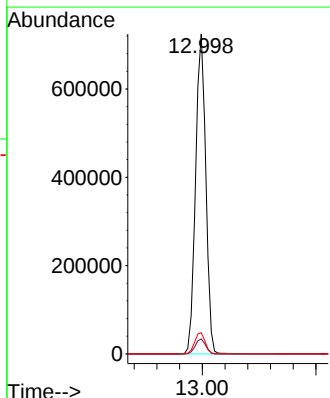
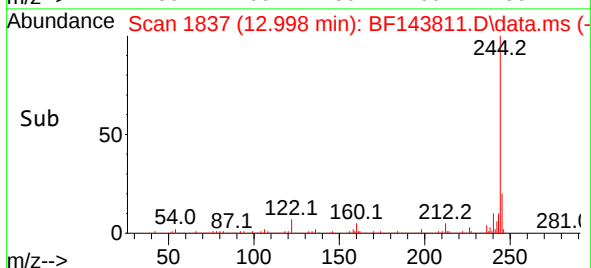
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

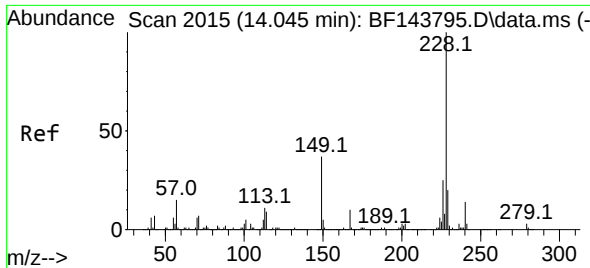


#79
Terphenyl-d14
Concen: 44.616 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51



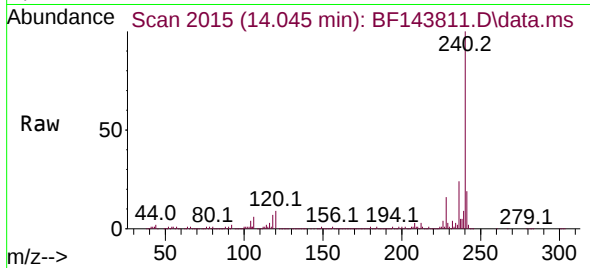
Tgt Ion:244 Resp: 899681
Ion Ratio Lower Upper
244 100
212 4.7 3.9 5.9
122 6.6 5.6 8.4





#81
Benzo(a)anthracene
Concen: 2.329 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

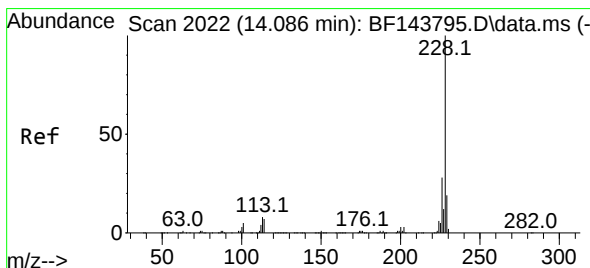
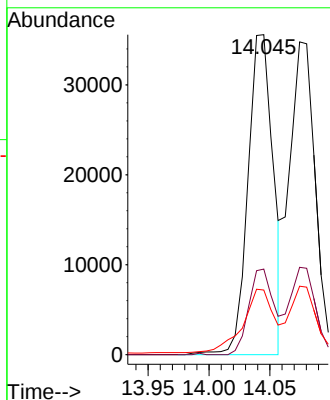
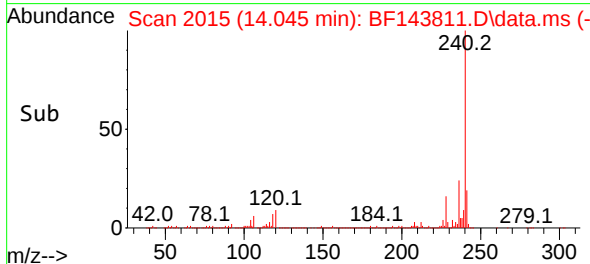
Instrument :
BNA_F
ClientSampleId :
WC-4



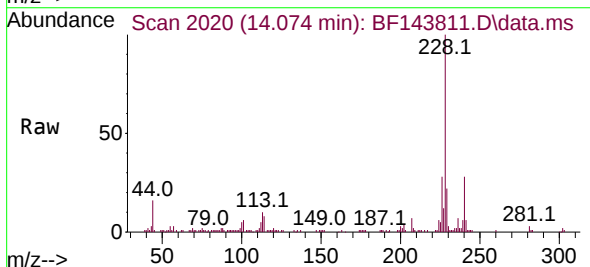
Tgt Ion:228 Resp: 51321
Ion Ratio Lower Upper
228 100
226 26.7 20.2 30.2
229 20.2 16.1 24.1

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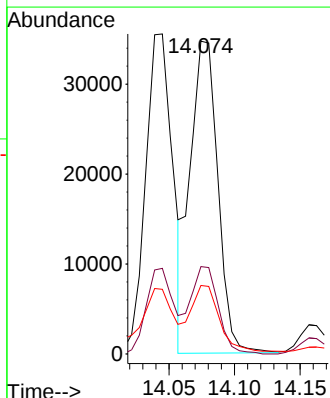
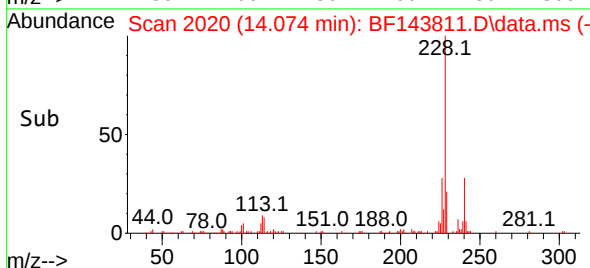
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

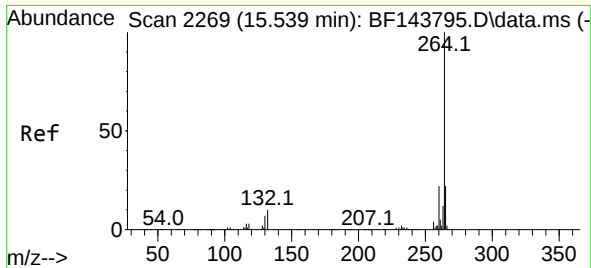


#83
Chrysene
Concen: 2.554 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51



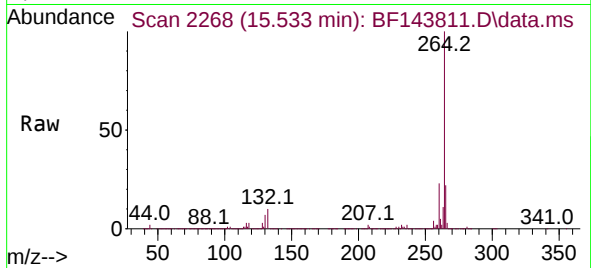
Tgt Ion:228 Resp: 50918
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 21.9 15.6 23.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2194
 Delta R.T. -0.006 min
 Lab File: BF143811.D
 Acq: 25 Sep 2025 18:51

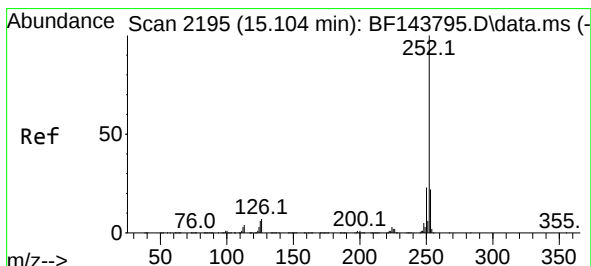
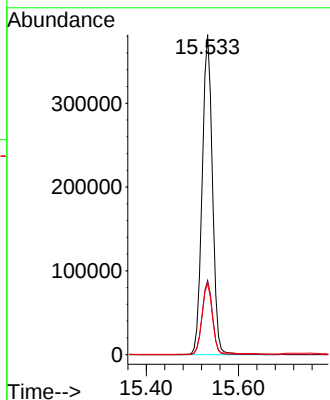
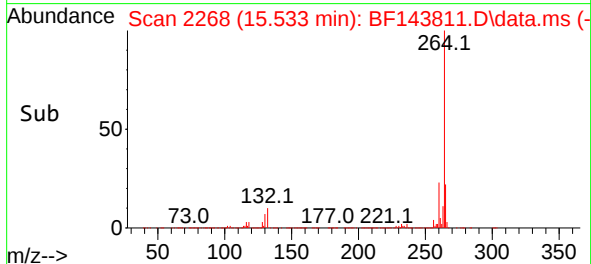
Instrument :
 BNA_F
 ClientSampleId :
 WC-4



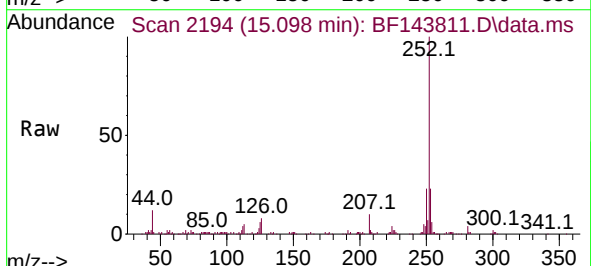
Tgt Ion:264 Resp: 588320
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.9 26.9
 265 22.1 17.7 26.5

Manual Integrations
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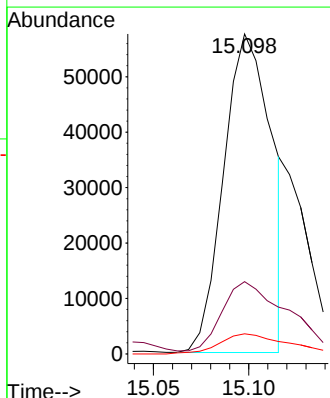
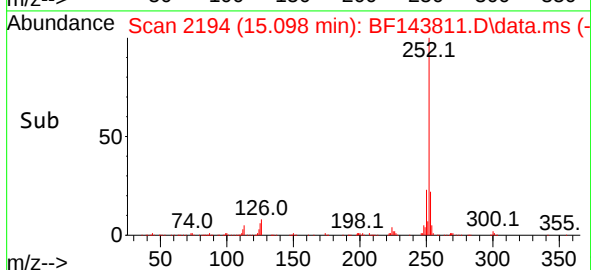
Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025

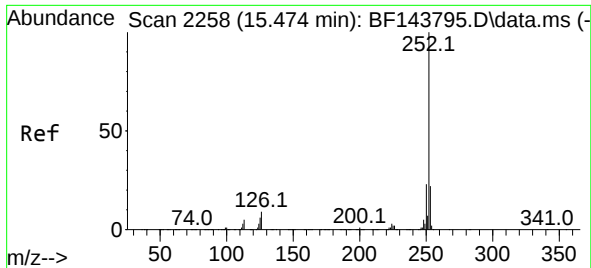


#88
 Benzo(b)fluoranthene
 Concen: 3.347 ng m
 RT: 15.098 min Scan# 2194
 Delta R.T. -0.006 min
 Lab File: BF143811.D
 Acq: 25 Sep 2025 18:51



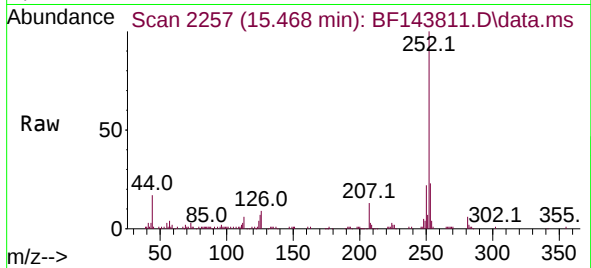
Tgt Ion:252 Resp: 100277
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.8 26.8
 125 6.3 4.4 6.6





#90
Benzo(a)pyrene
Concen: 2.381 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:252 Resp: 6705
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 6.7 5.0 7.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

