

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136973.D
 Acq On : 05 Jan 2024 13:46
 Operator : CG\JU
 Sample : 06017-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB32-2-20231222-7.5-8.5DL

Quant Time: Jan 05 14:05:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	58303	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	218293	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	108092	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	195682	20.000	ng	0.00
76) Chrysene-d12	13.969	240	116082	20.000	ng	0.00
86) Perylene-d12	15.451	264	140800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	51161	13.692	ng	0.00
7) Phenol-d6	6.434	99	77863	16.081	ng	0.00
23) Nitrobenzene-d5	7.346	82	56385	13.217	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	7580	5.954	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	120211	14.958	ng	-0.02
79) Terphenyl-d14	12.904	244	107530	12.945	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.081	128	226826	18.914	ng	# 97
37) 2-Methylnaphthalene	8.775	142	297933	38.602	ng	99
38) 1-Methylnaphthalene	8.875	142	137594	18.171	ng	99
52) Acenaphthene	9.845	154	15611	2.389	ng	93
58) Fluorene	10.369	166	18230	2.320	ng	92
71) Phenanthrene	11.333	178	105696	10.527	ng	98
72) Anthracene	11.386	178	23854	2.346	ng	98
75) Fluoranthene	12.533	202	98160	9.140	ng	100
78) Pyrene	12.763	202	77068	6.763	ng	97
81) Benzo(a)anthracene	13.957	228	32493	4.031	ng	99
83) Chrysene	13.992	228	23986m	3.043	ng	
88) Benzo(b)fluoranthene	15.016	252	34983m	3.720	ng	
90) Benzo(a)pyrene	15.386	252	27100	3.414	ng	98

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

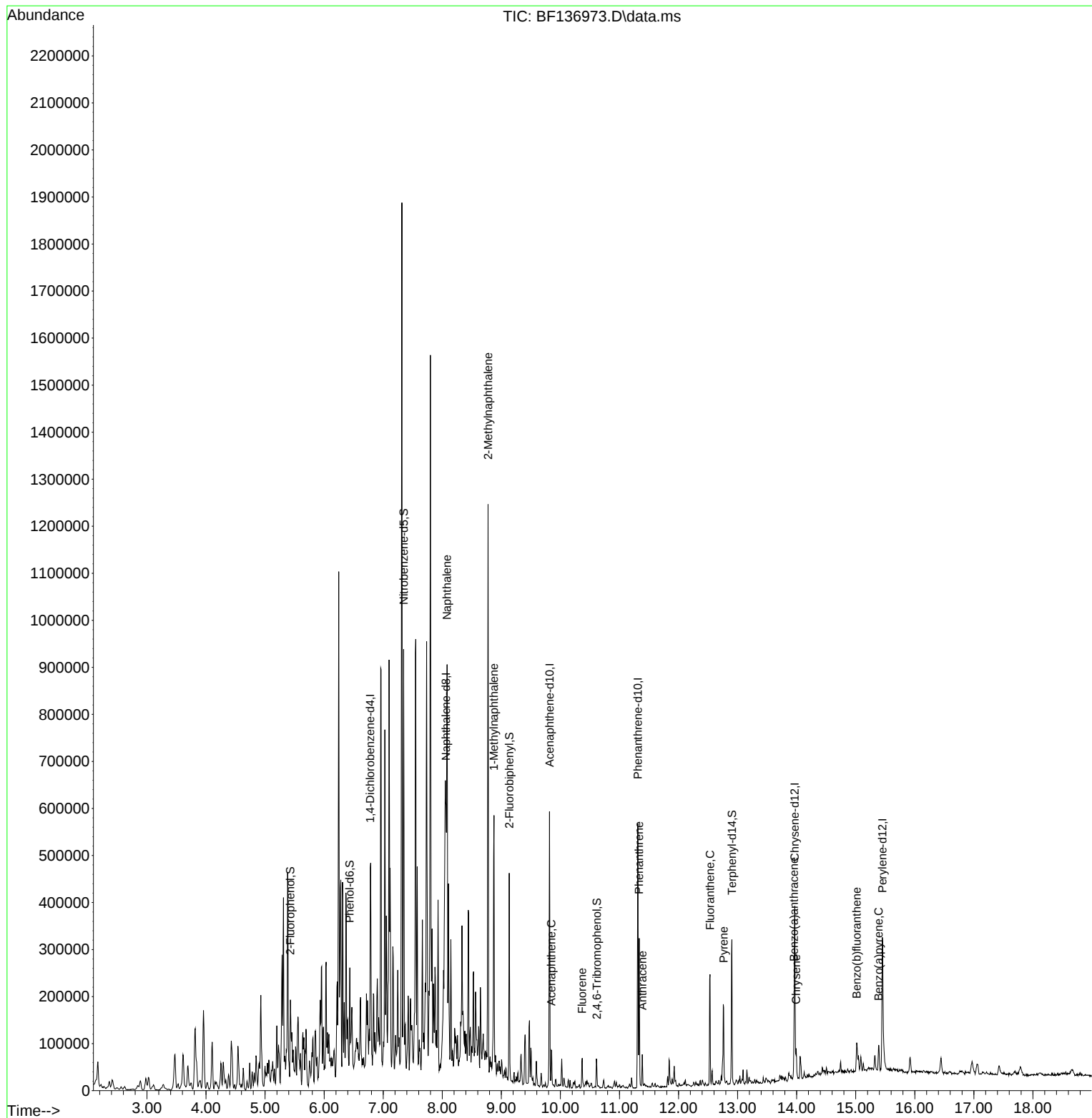
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
Data File : BF136973.D
Acq On : 05 Jan 2024 13:46
Operator : CG\JU
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SB32-2-20231222-7.5-8.5DL

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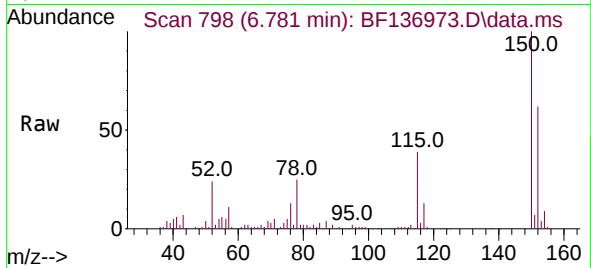
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

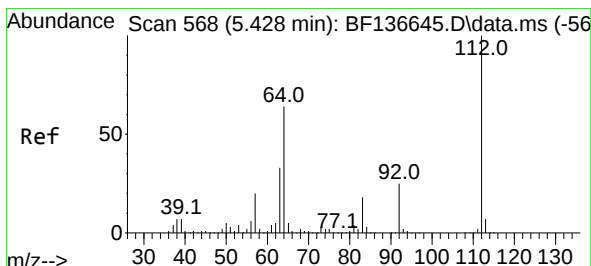
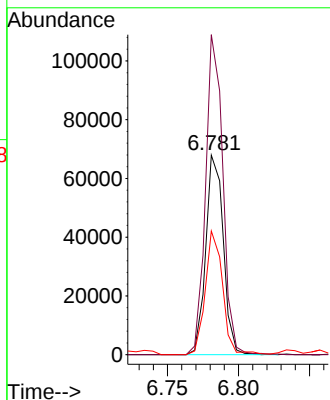
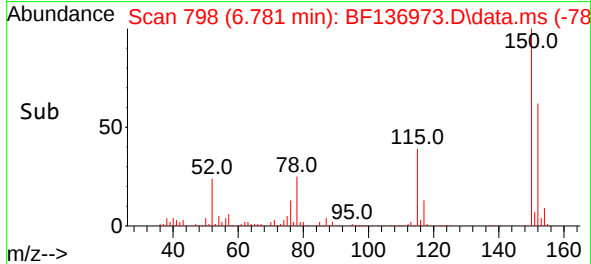
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL



Tgt Ion:152 Resp: 5830
Ion Ratio Lower Upper
152 100
150 160.4 127.0 190.6
115 62.0 49.0 73.4

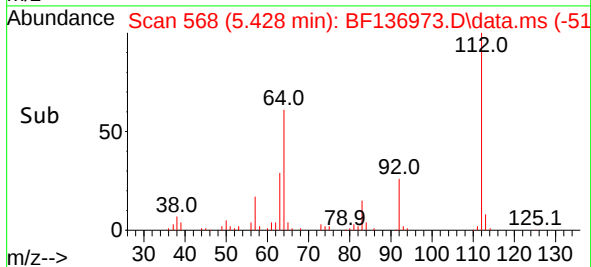
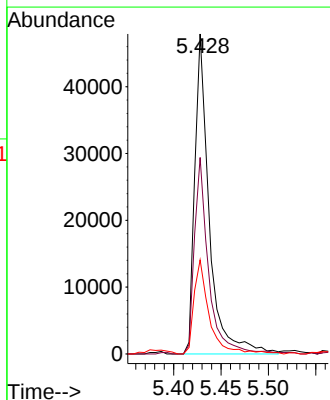
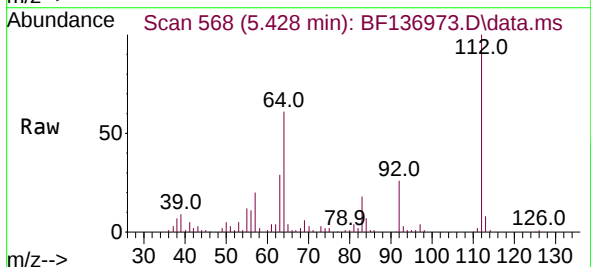
Manual Integrations
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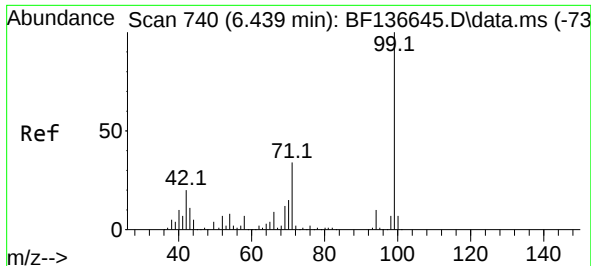
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#5
2-Fluorophenol
Concen: 13.692 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

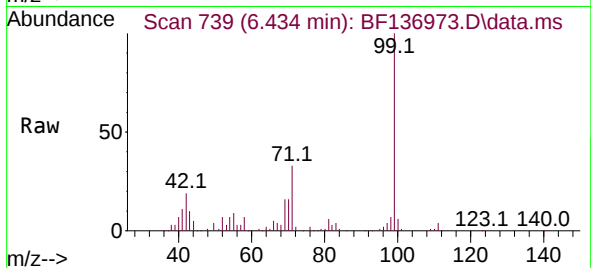
Tgt Ion:112 Resp: 51161
Ion Ratio Lower Upper
112 100
64 61.4 51.1 76.7
63 29.4 26.1 39.1





#7
Phenol-d6
Concen: 16.081 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

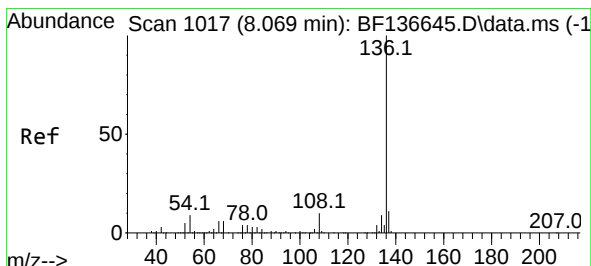
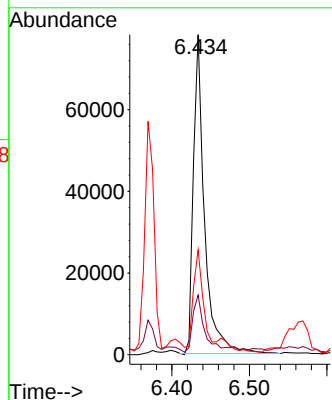
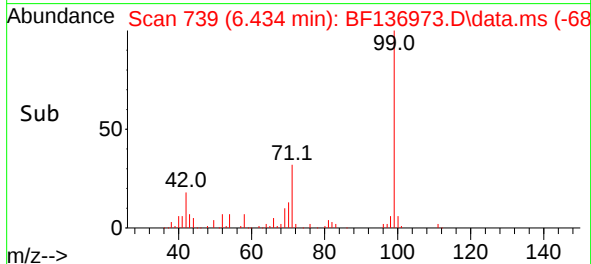
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL



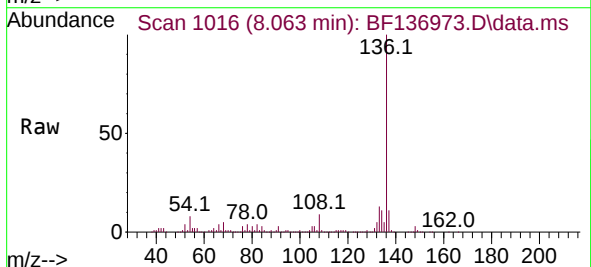
Tgt Ion: 99 Resp: 7786
Ion Ratio Lower Upper
99 100
42 18.6 16.1 24.1
71 32.8 27.4 41.2

Manual Integrations
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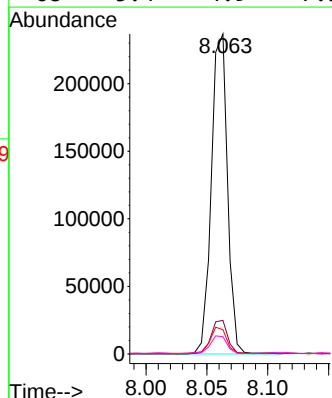
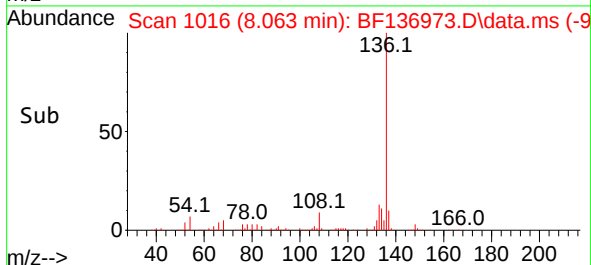
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

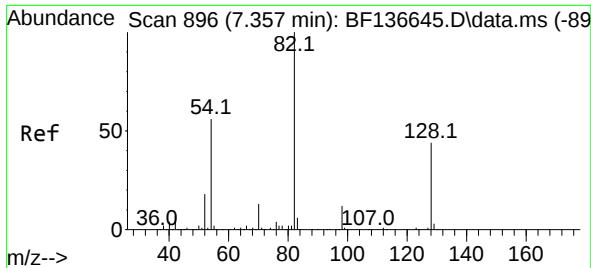


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46



Tgt Ion:136 Resp: 218293
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 7.6 7.2 10.8
68 5.4 4.9 7.3





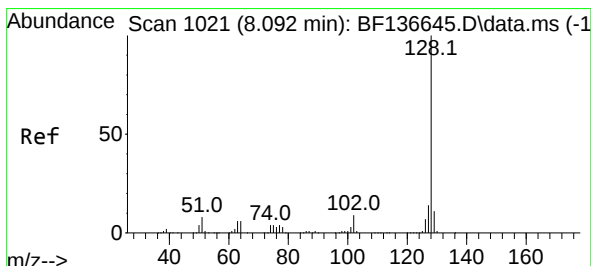
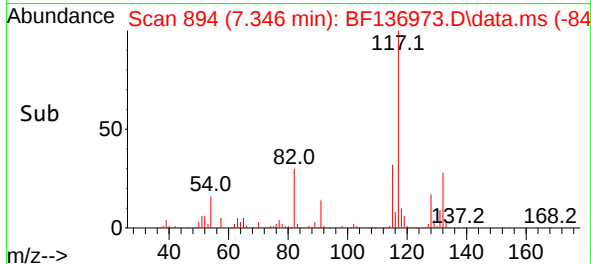
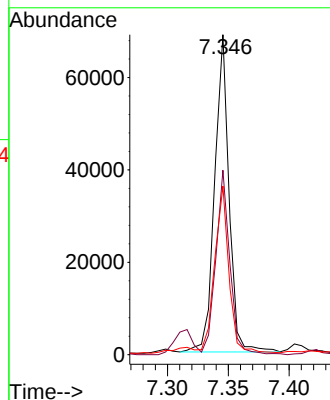
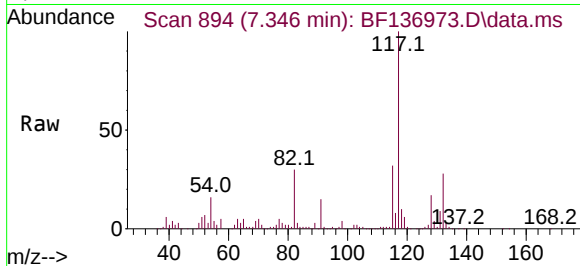
#23
Nitrobenzene-d5
Concen: 13.217 ng
RT: 7.346 min Scan# 896
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

Tgt Ion: 82 Resp: 5638
Ion Ratio Lower Upper
82 100
128 57.7 35.3 52.9
54 52.7 44.5 66.7

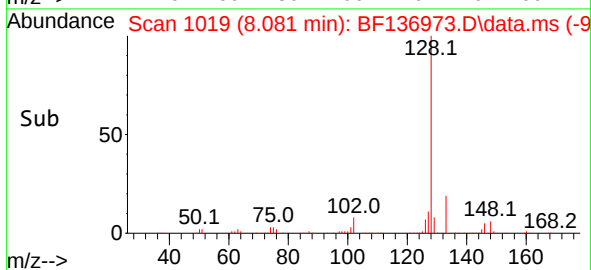
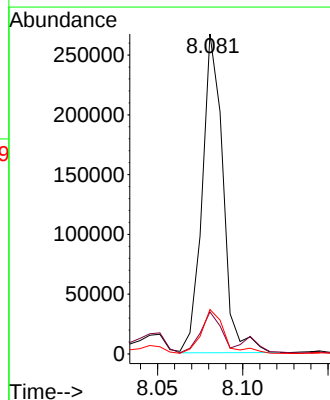
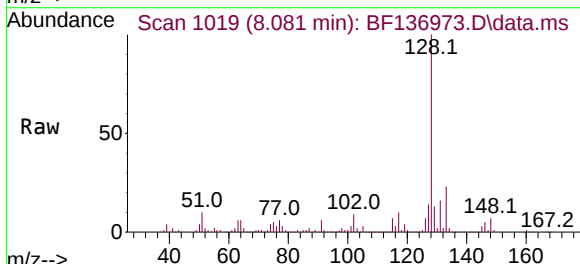
Manual Integrations
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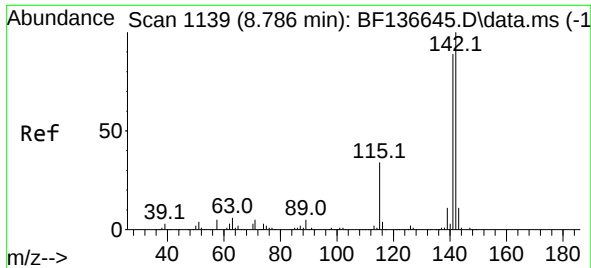
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#31
Naphthalene
Concen: 18.914 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

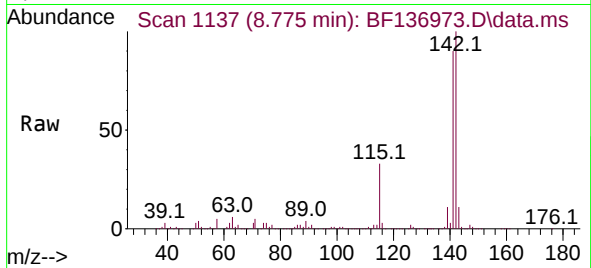
Tgt Ion:128 Resp: 226826
Ion Ratio Lower Upper
128 100
129 13.2 8.7 13.1
127 13.9 10.8 16.2





#37
2-Methylnaphthalene
Concen: 38.602 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

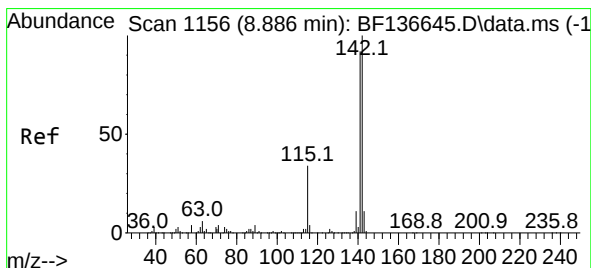
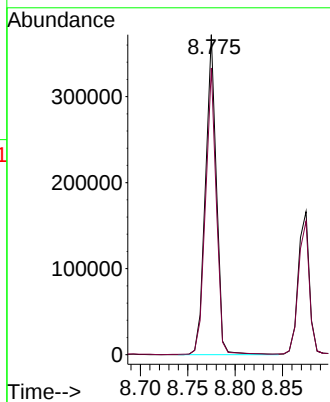
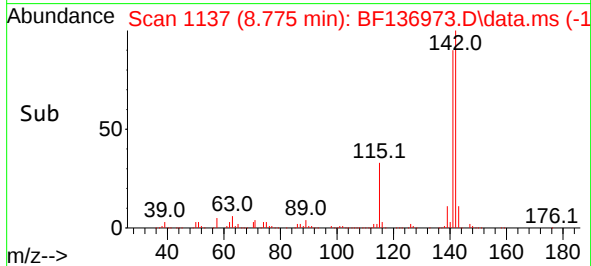
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL



Tgt Ion:142 Resp: 297933
Ion Ratio Lower Upper
142 100
141 89.6 71.1 106.7

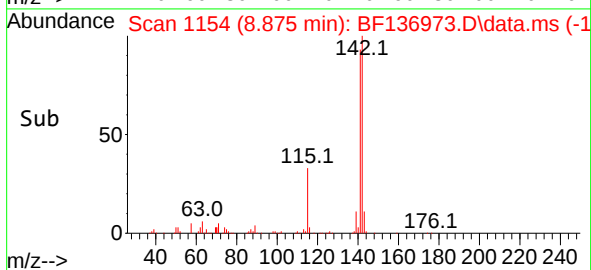
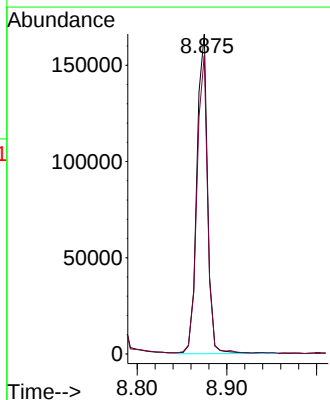
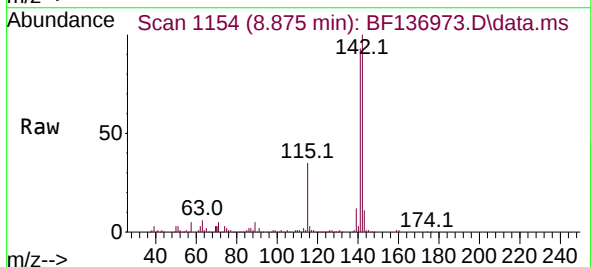
Manual Integrations
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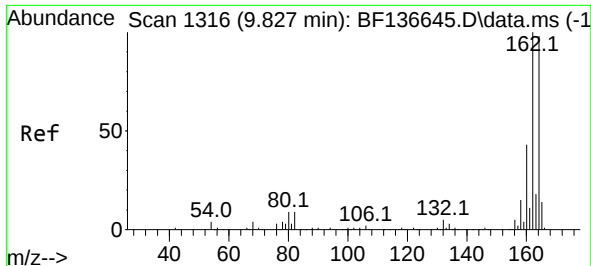
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#38
1-Methylnaphthalene
Concen: 18.171 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

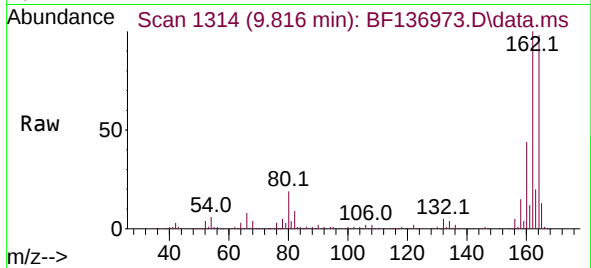
Tgt Ion:142 Resp: 137594
Ion Ratio Lower Upper
142 100
141 93.3 73.6 110.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

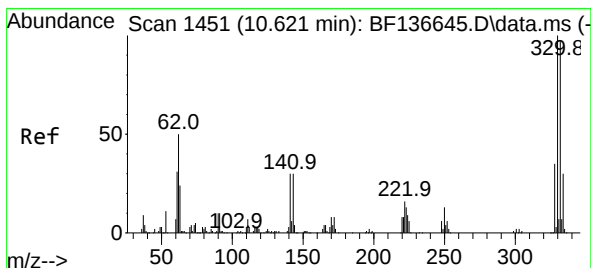
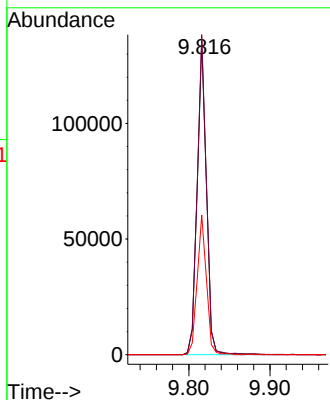
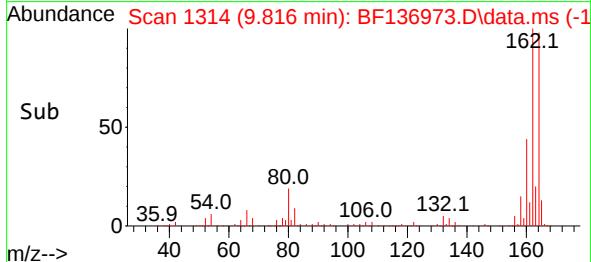
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL



Tgt Ion:164 Resp: 108092
Ion Ratio Lower Upper
164 100
162 102.0 81.6 122.4
160 44.5 34.9 52.3

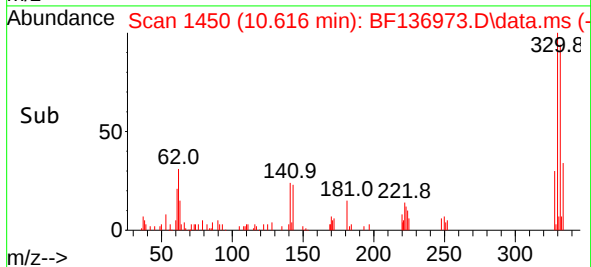
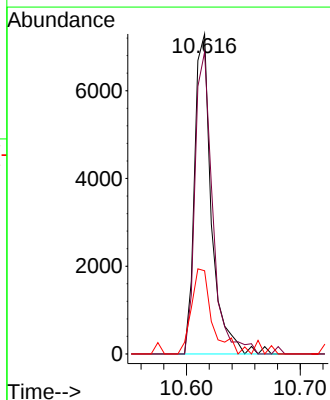
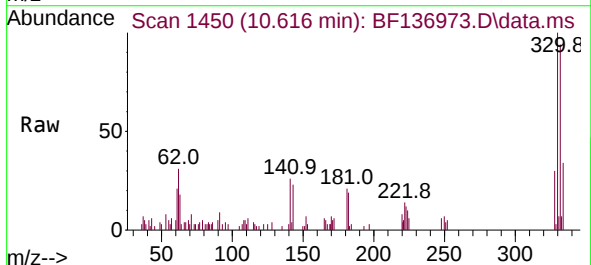
Manual Integrations
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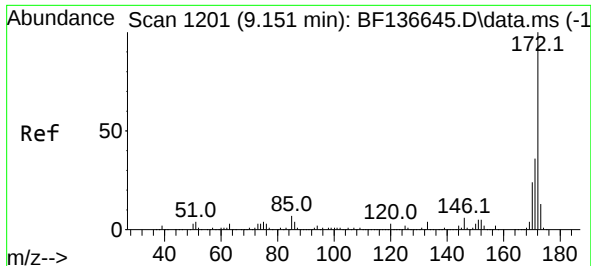
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#42
2,4,6-Tribromophenol
Concen: 5.954 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:330 Resp: 7580
Ion Ratio Lower Upper
330 100
332 97.8 77.4 116.0
141 32.6 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 14.958 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF136973.D

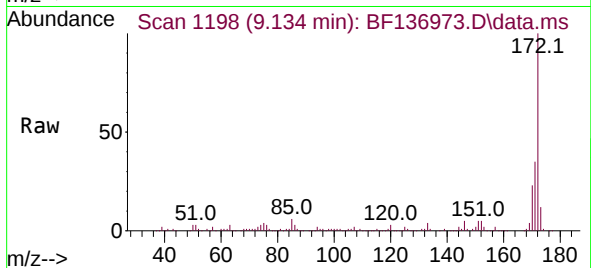
Acq: 05 Jan 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5DL



Tgt Ion:172 Resp: 12021

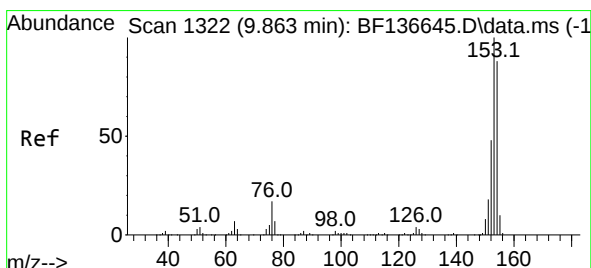
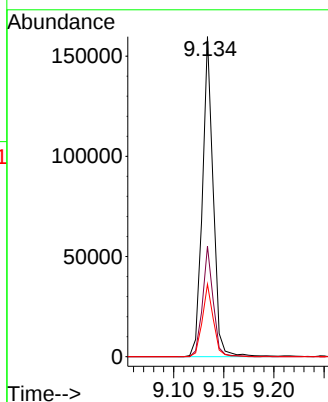
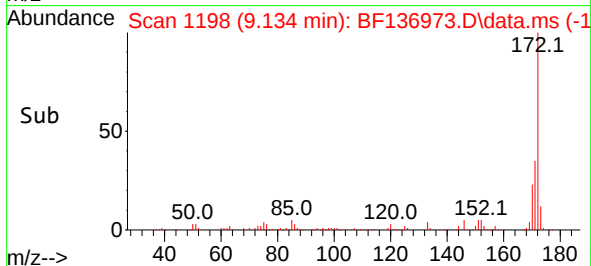
Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.0	43.6
170	22.7	19.0	28.4

Manual Integrations

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Supervised By :mohammad ahmed 01/06/2024



#52

Acenaphthene

Concen: 2.389 ng

RT: 9.845 min Scan# 1319

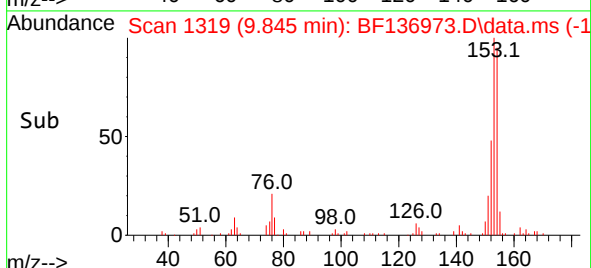
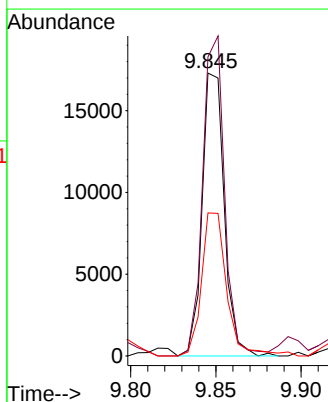
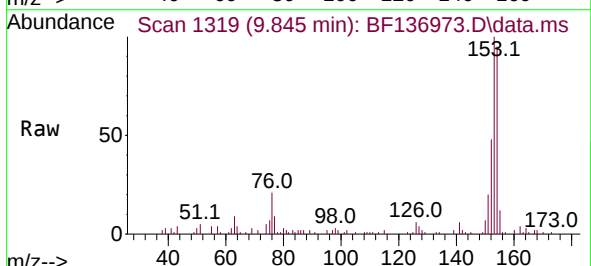
Delta R.T. -0.017 min

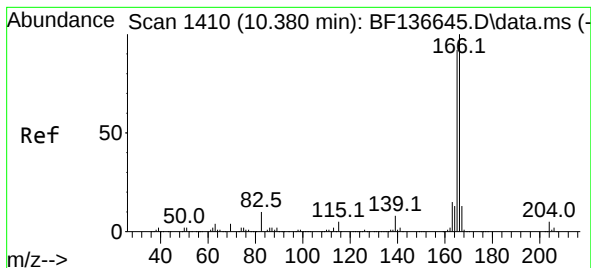
Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

Tgt Ion:154 Resp: 15611

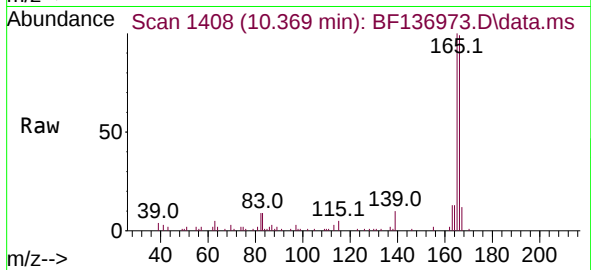
Ion	Ratio	Lower	Upper
154	100		
153	105.7	90.7	136.1
152	50.6	43.7	65.5





#58
Fluorene
Concen: 2.320 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

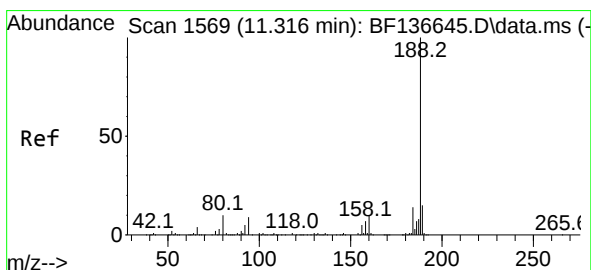
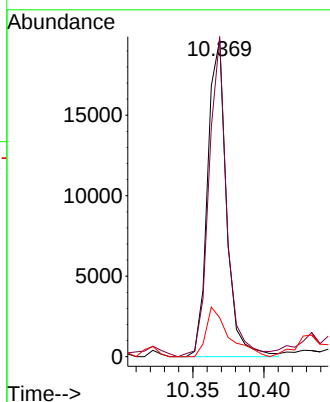
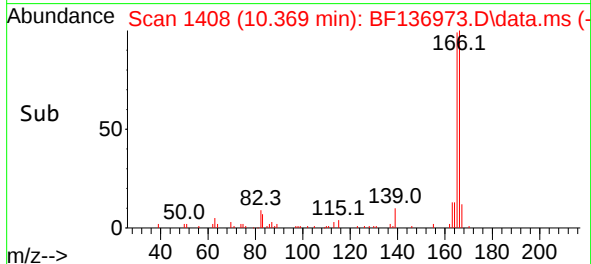
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL



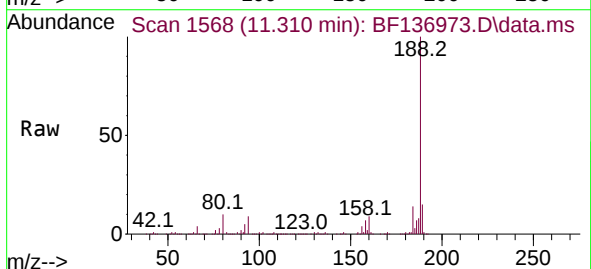
Tgt Ion:166 Resp: 18230
Ion Ratio Lower Upper
166 100
165 100.9 73.7 110.5
167 12.3 10.4 15.6

Manual Integrations
APPROVED

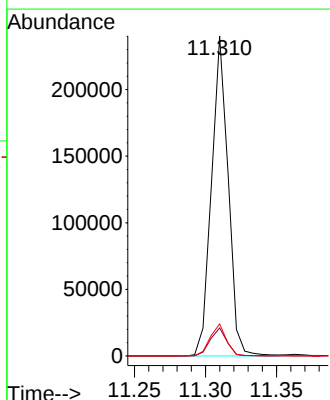
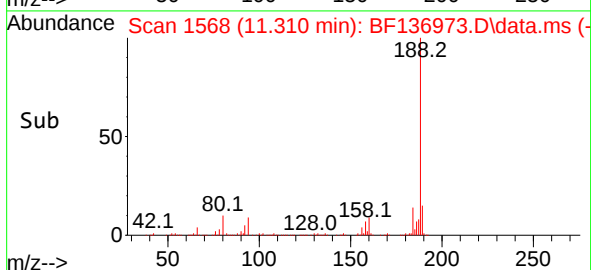
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

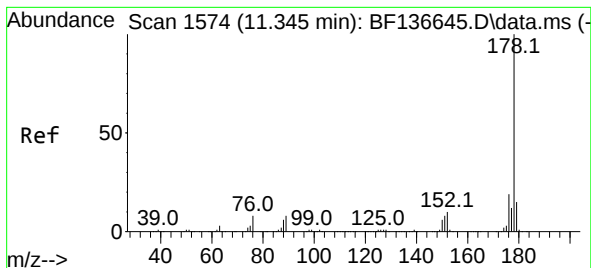


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46



Tgt Ion:188 Resp: 195682
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 10.0 8.1 12.1





#71

Phenanthrene

Concen: 10.527 ng

RT: 11.333 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5DL

Tgt Ion:178 Resp: 105690

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

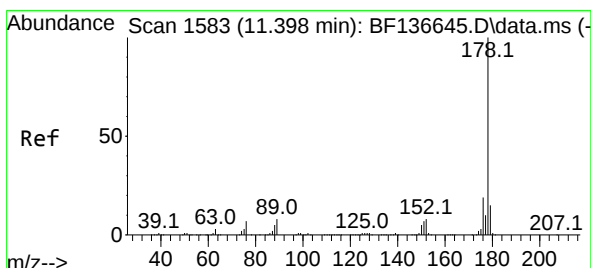
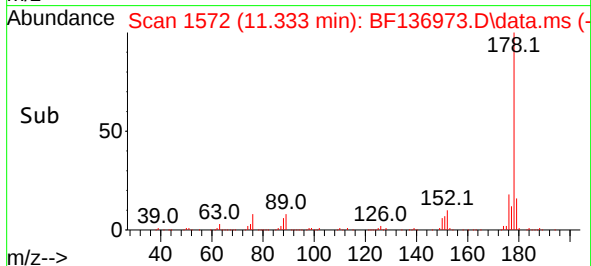
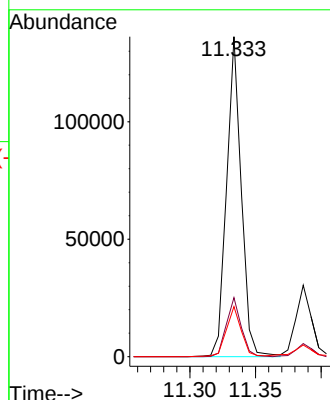
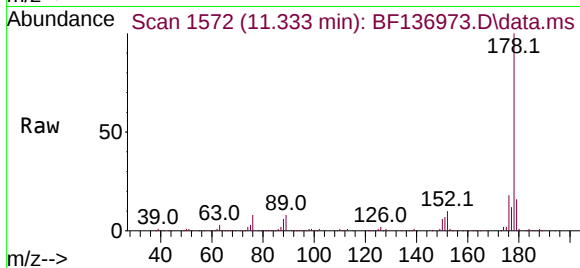
179 15.6 11.9 17.9

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#72

Anthracene

Concen: 2.346 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.011 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

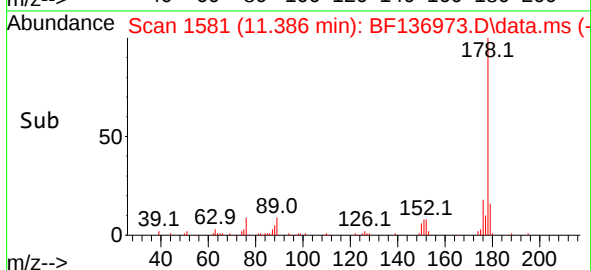
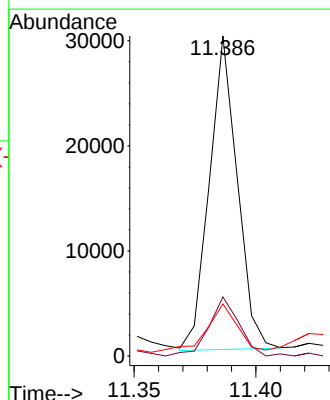
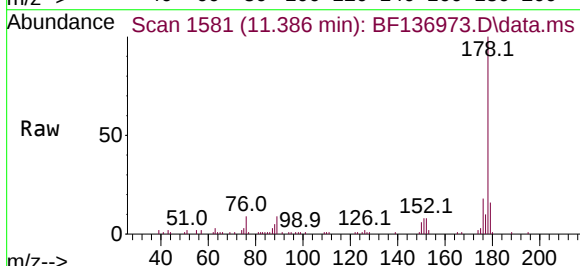
Tgt Ion:178 Resp: 23854

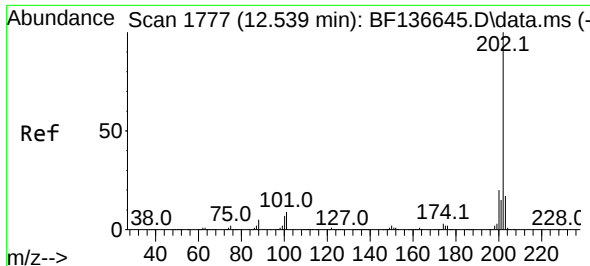
Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

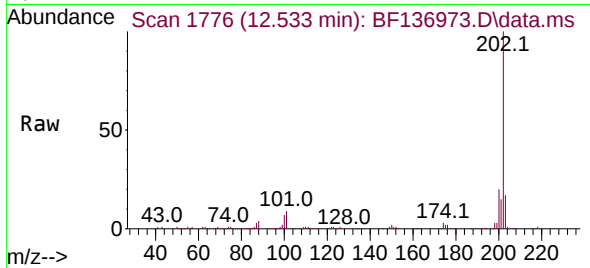
179 16.3 11.8 17.6





#75
Fluoranthene
Concen: 9.140 ng
RT: 12.533 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

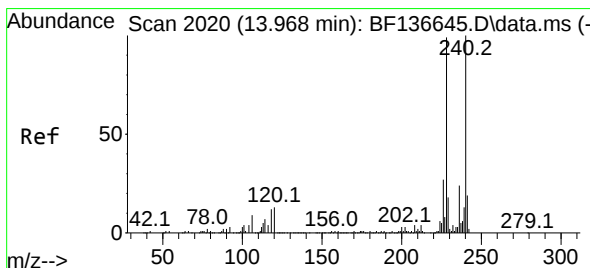
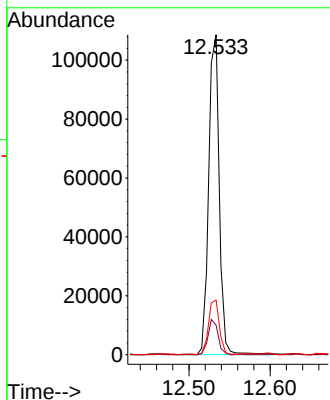
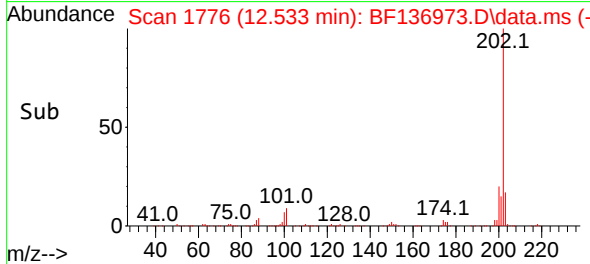
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL



Tgt Ion:202 Resp: 98160
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.3
203 17.0 0.0 37.1

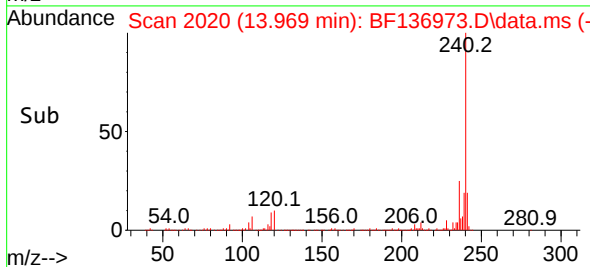
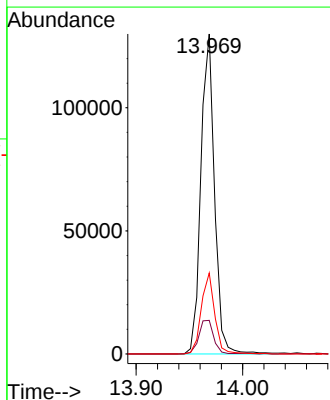
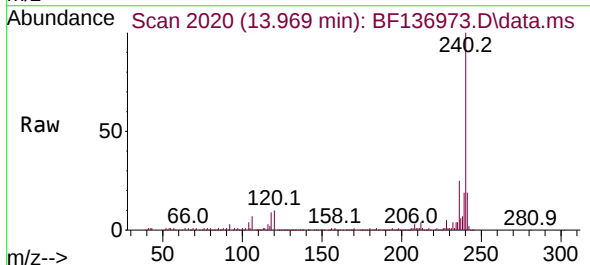
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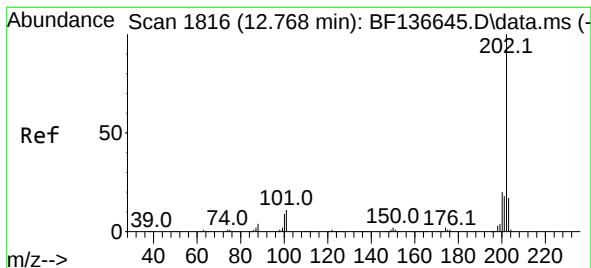
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:240 Resp: 116082
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 25.3 19.4 29.2





#78

Pyrene

Concen: 6.763 ng

RT: 12.763 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5DL

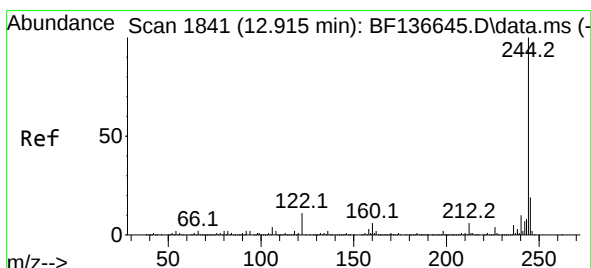
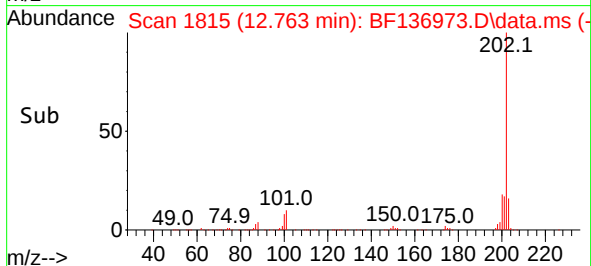
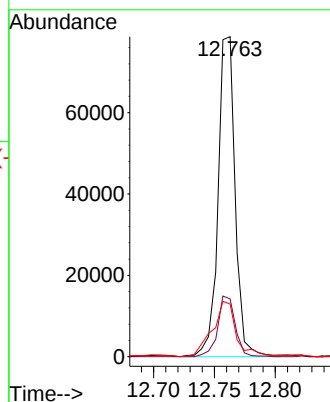
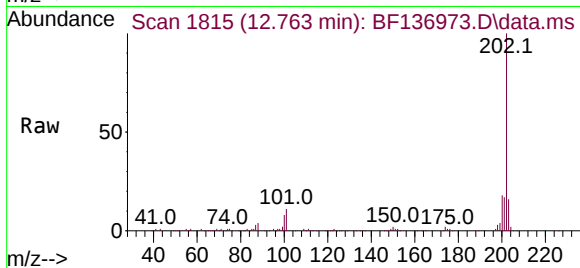
Tgt Ion:	202	Resp:	77068
Ion Ratio	Lower	Upper	
202	100		
200	18.0	15.9	23.9
203	16.4	13.8	20.6

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#79

Terphenyl-d14

Concen: 12.945 ng

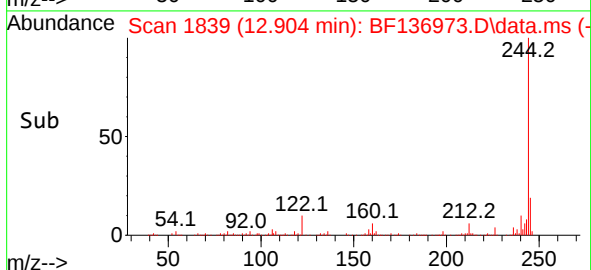
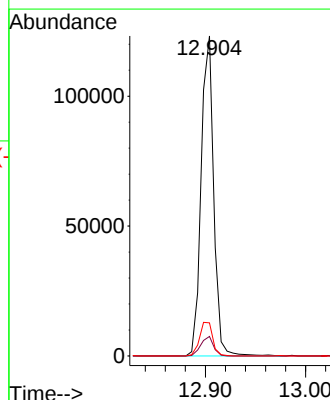
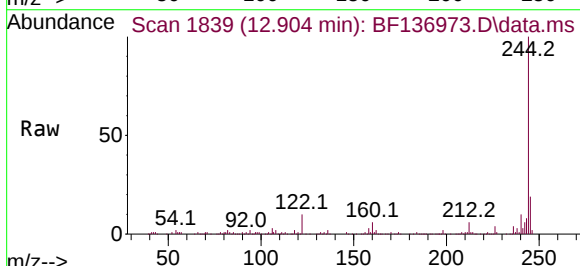
RT: 12.904 min Scan# 1839

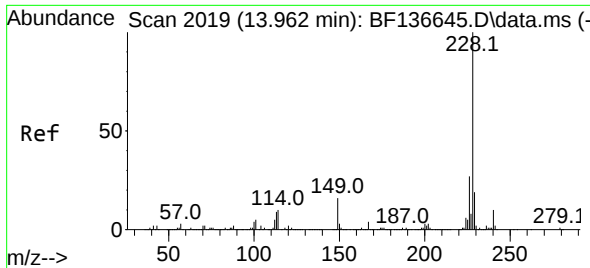
Delta R.T. -0.011 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

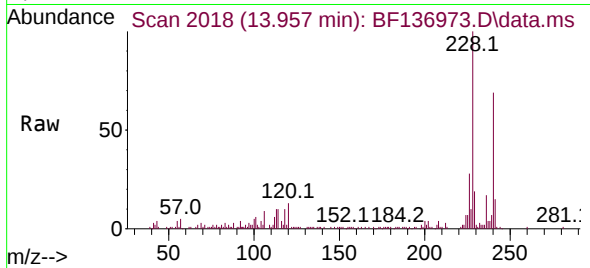
Tgt Ion:	244	Resp:	107530
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.0	7.4
122	10.3	9.0	13.4





#81
Benzo(a)anthracene
Concen: 4.031 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

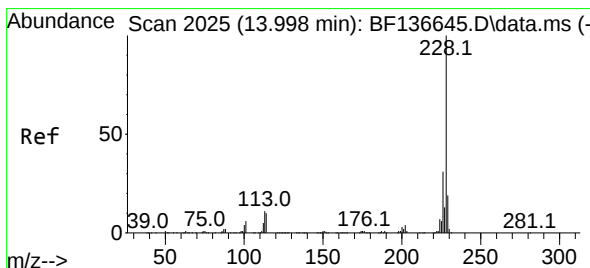
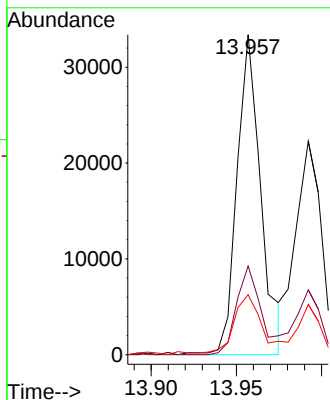
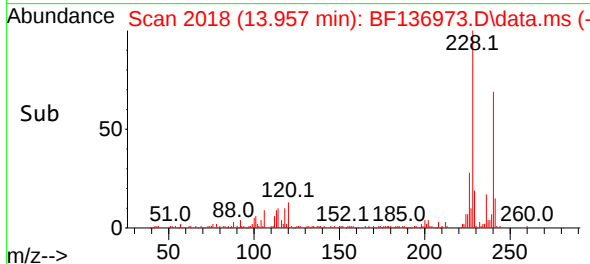
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL



Tgt Ion:228 Resp: 3249
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.0
229 18.8 14.9 22.3

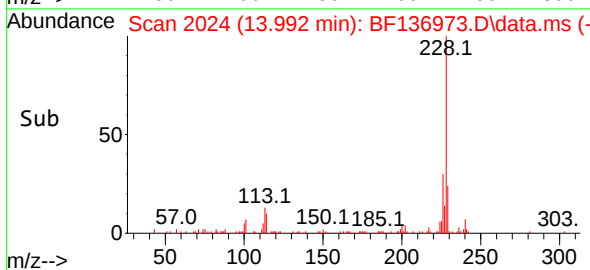
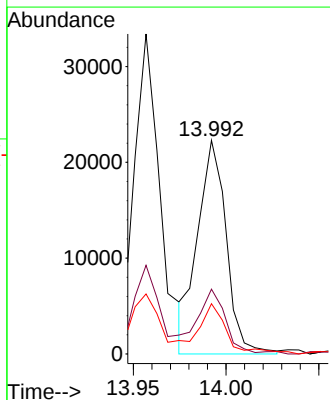
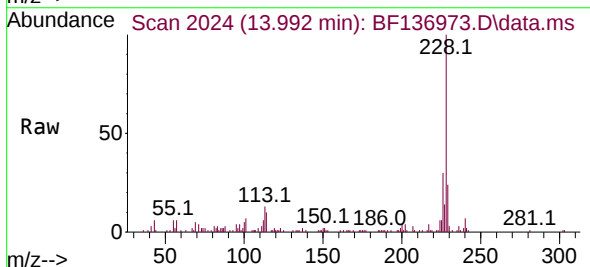
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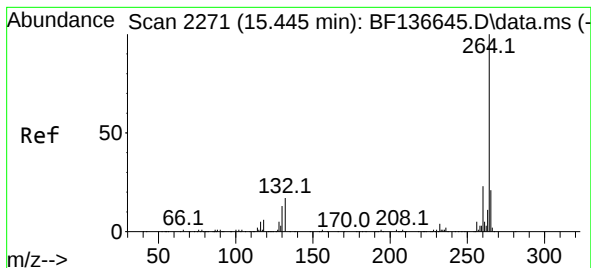
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#83
Chrysene
Concen: 3.043 ng m
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:228 Resp: 23986
Ion Ratio Lower Upper
228 100
226 30.3 24.7 37.1
229 23.5 15.4 23.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

Instrument :

BNA_F

ClientSampleId :

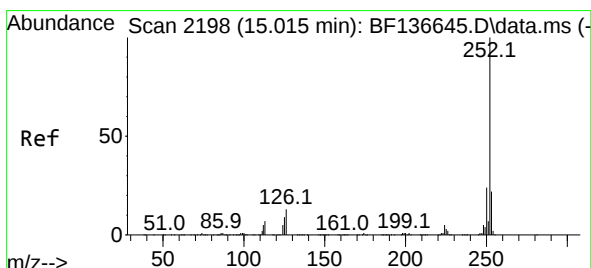
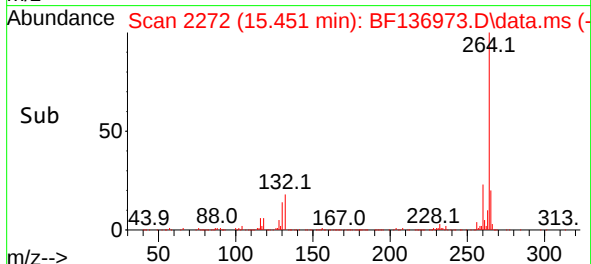
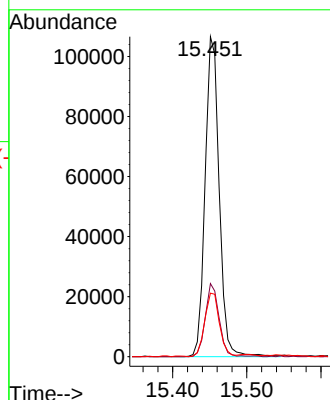
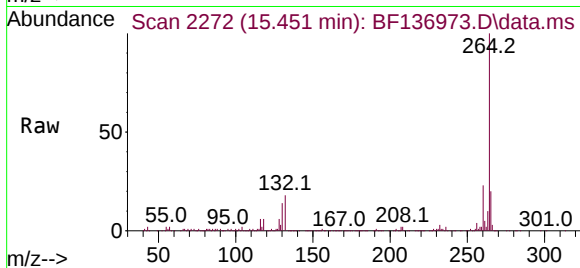
SB32-2-20231222-7.5-8.5DL

Tgt Ion:264 Resp: 140800
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.3 27.5
 265 19.8 17.0 25.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024



#88

Benzo(b)fluoranthene

Concen: 3.720 ng m

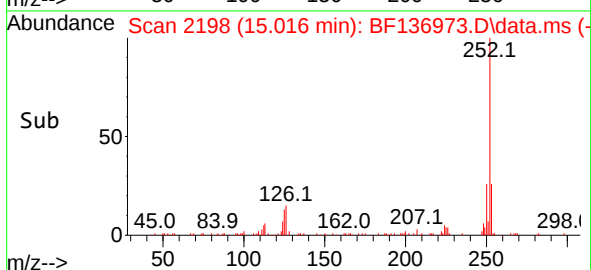
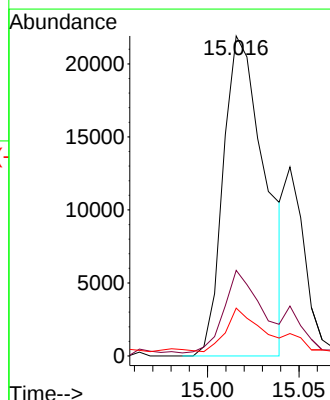
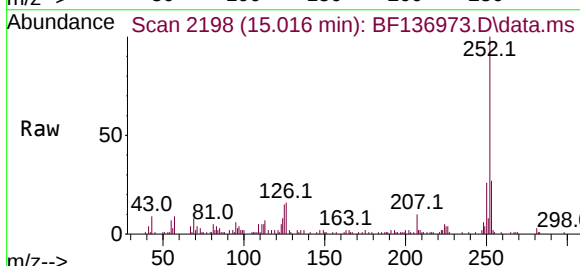
RT: 15.016 min Scan# 2198

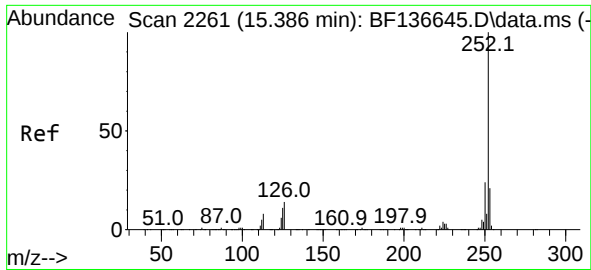
Delta R.T. 0.000 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

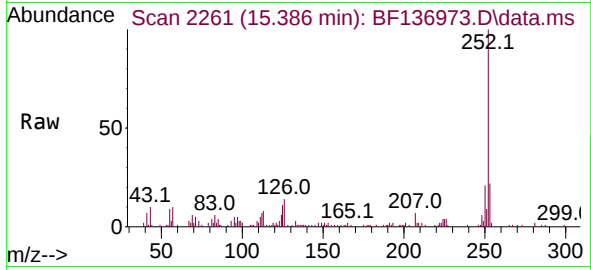
Tgt Ion:252 Resp: 34983
 Ion Ratio Lower Upper
 252 100
 253 26.8 17.4 26.0#
 125 15.0 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 3.414 ng
RT: 15.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL



Tgt Ion:252 Resp: 27100
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 10.8 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

