

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110421\
 Data File : BP007850.D
 Acq On : 04 Nov 2021 16:21
 Operator : CG/JU
 Sample : M4436-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S15-SP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/08/2021
 Supervised By :mohammad ahmed 11/08/2021

Quant Time: Nov 07 11:14:54 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 02 19:18:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	195776	20.000	ng	-0.01
21) Naphthalene-d8	10.710	136	751846	20.000	ng	-0.02
39) Acenaphthene-d10	14.551	164	490404	20.000	ng	-0.01
64) Phenanthrene-d10	17.304	188	1041957	20.000	ng	-0.02
76) Chrysene-d12	21.404	240	1143552	20.000	ng	-0.01
86) Perylene-d12	23.839	264	1297433	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1597182	138.358	ng	0.00
7) Phenol-d6	7.087	99	1975085	118.208	ng	0.00
23) Nitrobenzene-d5	9.069	82	1157068	82.669	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	881678	125.976	ng	-0.01
45) 2-Fluorobiphenyl	13.175	172	2705043	80.327	ng	-0.02
79) Terphenyl-d14	19.874	244	4279850	76.210	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.269	152	227494	5.265	ng	98
71) Phenanthrene	17.351	178	270919	4.946	ng	99
72) Anthracene	17.439	178	150948	2.800	ng	98
75) Fluoranthene	19.322	202	1311801	18.985	ng	98
78) Pyrene	19.674	202	1596745	22.766	ng	99
81) Benzo(a)anthracene	21.386	228	1320912	17.533	ng	94
83) Chrysene	21.439	228	1343838m	18.842	ng	
87) Indeno(1,2,3-cd)pyrene	26.380	276	1258390	13.012	ng	# 94
88) Benzo(b)fluoranthene	23.098	252	2535335	33.150	ng	98
89) Benzo(k)fluoranthene	23.139	252	974571m	12.839	ng	
90) Benzo(a)pyrene	23.733	252	1794288	27.095	ng	98
91) Dibenzo(a,h)anthracene	26.386	278	355961m	4.441	ng	
92) Benzo(g,h,i)perylene	27.168	276	1197486	15.059	ng	98

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

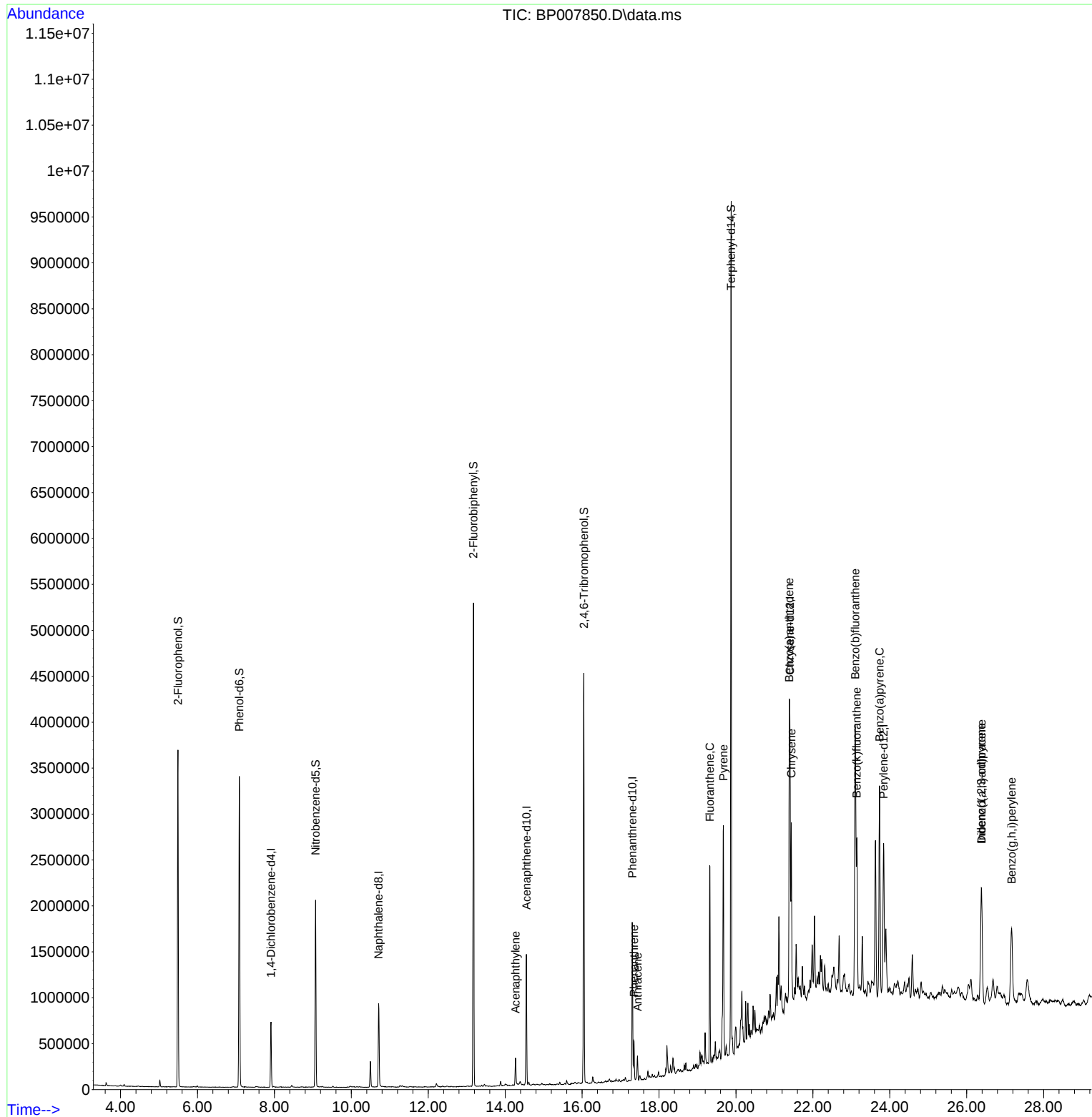
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Data File : BP007850.D
Acq On : 04 Nov 2021 16:21
Operator : CG/JU
Sample : M4436-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

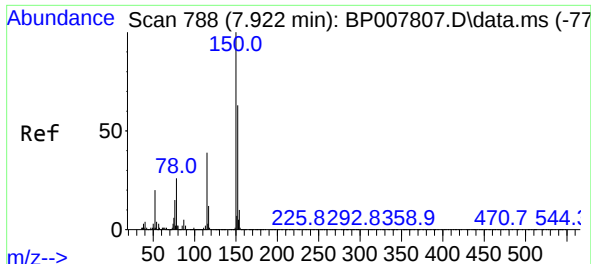
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 02 19:18:55 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 788
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Instrument :

BNA_P

ClientSampleId :

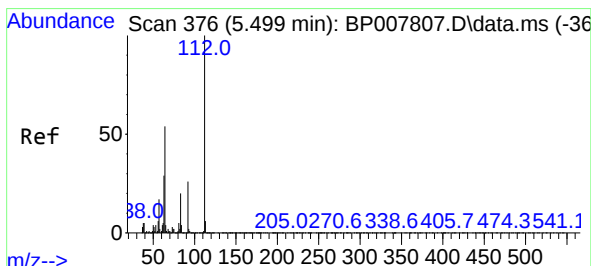
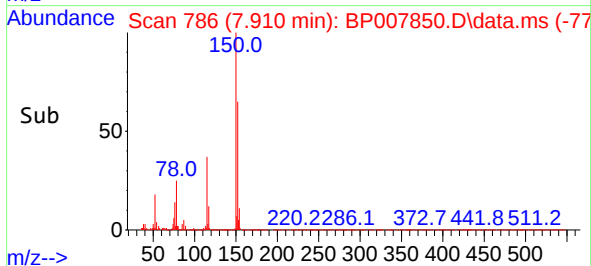
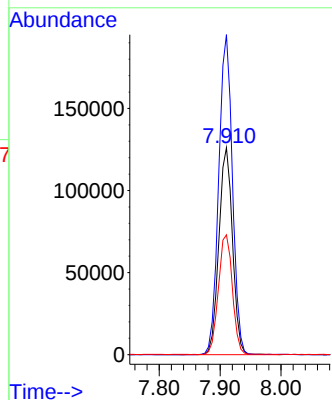
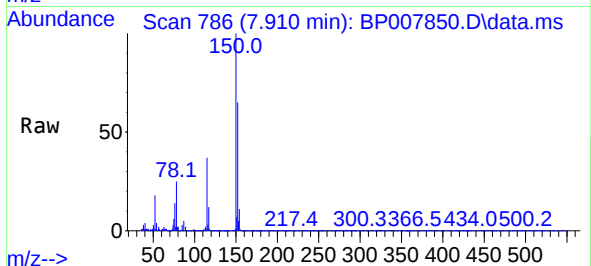
S15-SP

Tgt Ion:152 Resp: 195770
Ion Ratio Lower Upper
152 100
150 154.5 124.1 186.1
115 57.8 48.1 72.1

Manual Integrations

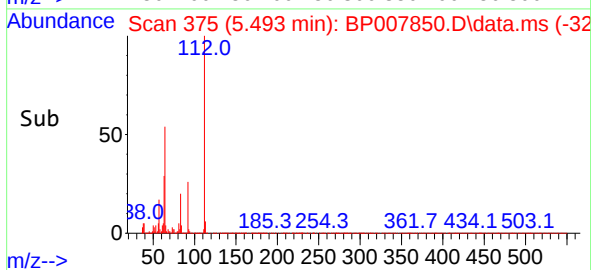
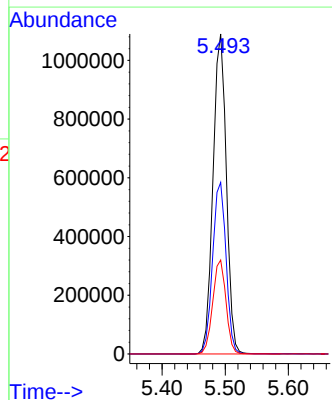
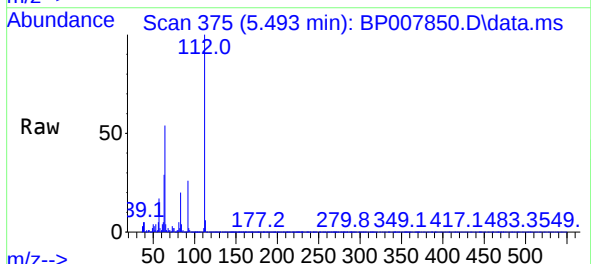
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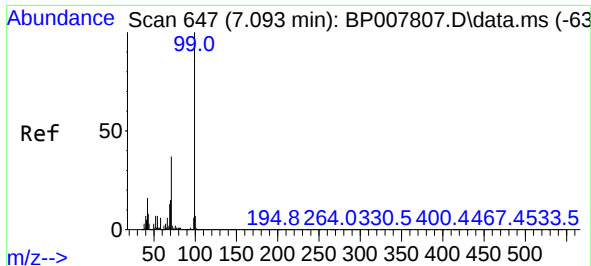
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#5
2-Fluorophenol
Concen: 138.358 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.006 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion:112 Resp: 1597182
Ion Ratio Lower Upper
112 100
64 53.6 46.6 70.0
63 29.4 25.0 37.6





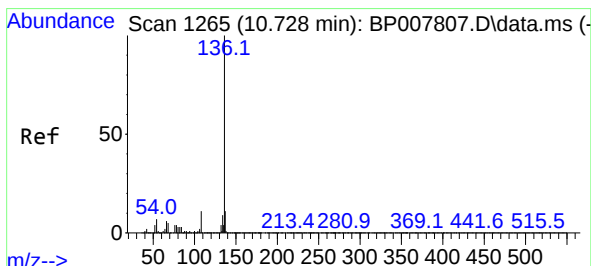
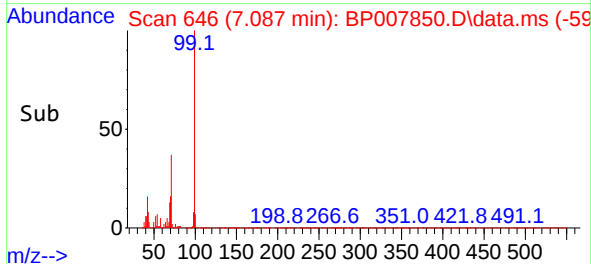
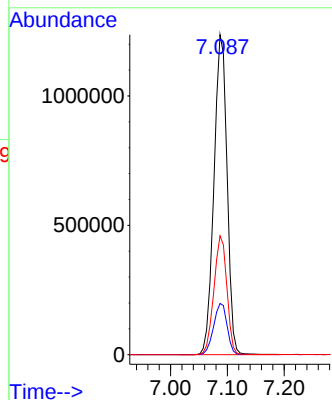
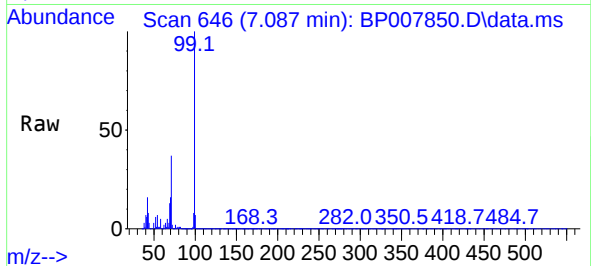
#7
Phenol-d6
Concen: 118.208 ng
RT: 7.087 min Scan# 647
Delta R.T. -0.006 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Instrument :
BNA_P
ClientSampleId :
S15-SP

Tgt Ion: 99 Resp: 1975085
Ion Ratio Lower Upper
99 100
42 16.0 14.9 22.3
71 37.2 29.2 43.8

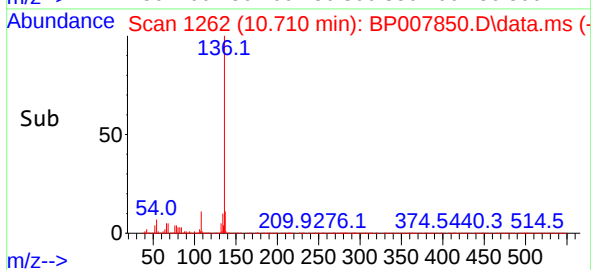
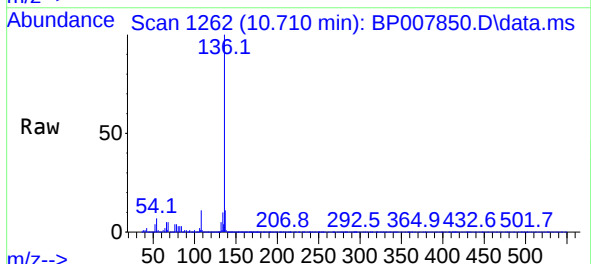
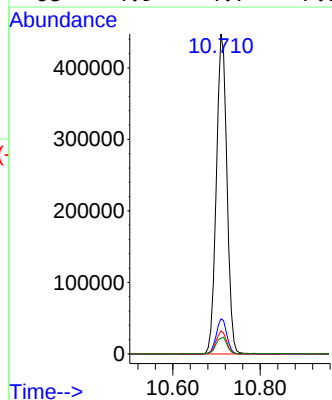
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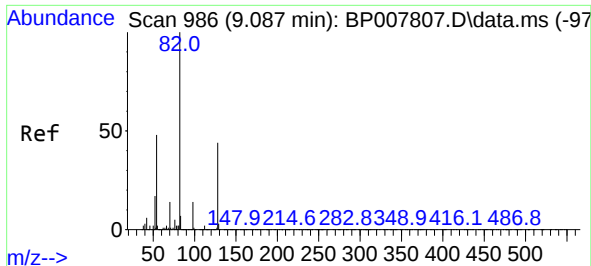
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1262
Delta R.T. -0.018 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion:136 Resp: 751846
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.2 6.2 9.4
68 4.9 4.7 7.1





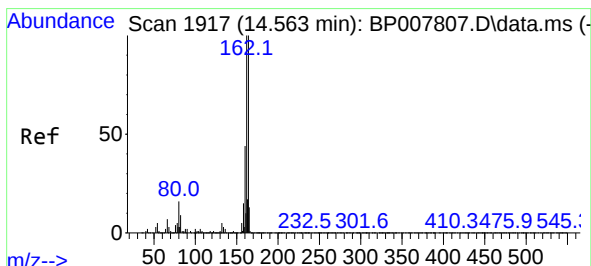
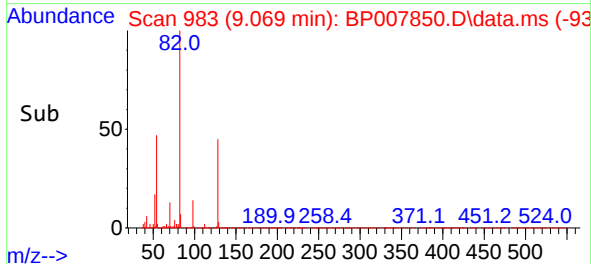
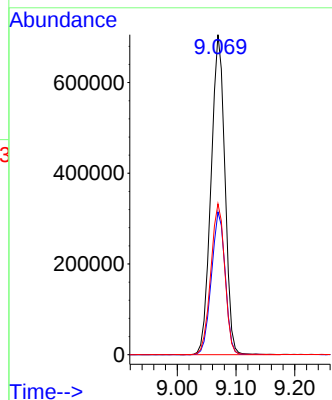
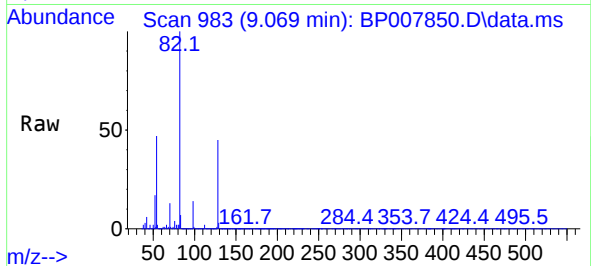
#23
Nitrobenzene-d5
Concen: 82.669 ng
RT: 9.069 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Instrument :
BNA_P
ClientSampleId :
S15-SP

Tgt Ion: 82 Resp: 115706
Ion Ratio Lower Upper
82 100
128 44.6 32.6 48.8
54 47.1 40.4 60.6

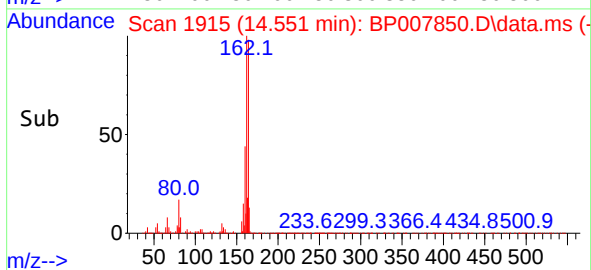
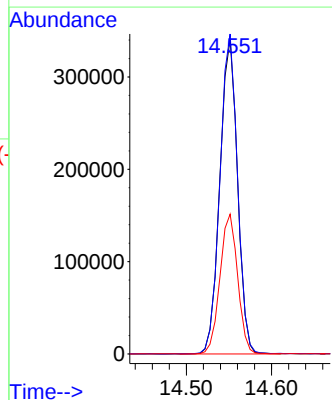
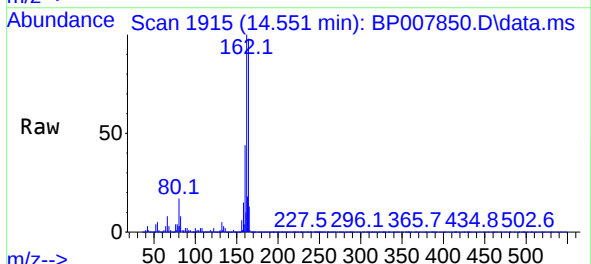
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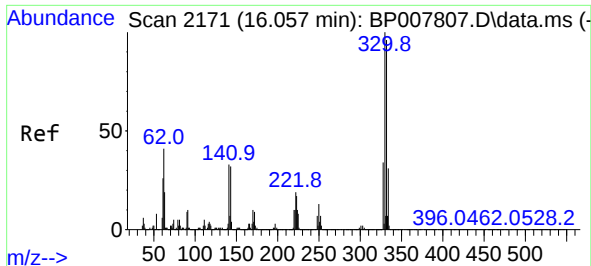
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1915
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

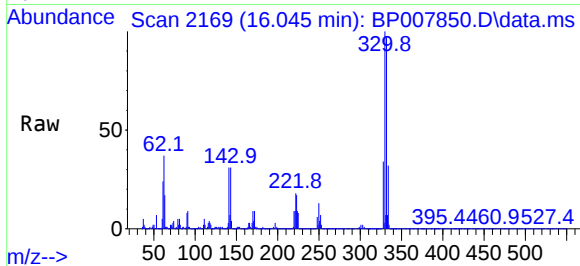
Tgt Ion:164 Resp: 490404
Ion Ratio Lower Upper
164 100
162 101.6 81.1 121.7
160 44.4 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 125.976 ng
RT: 16.045 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

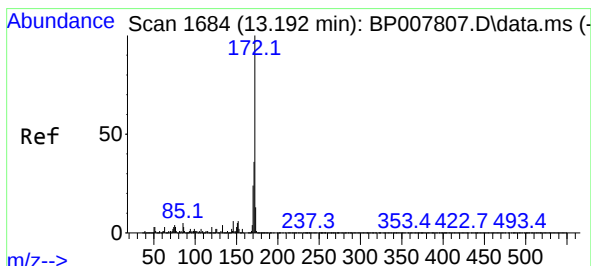
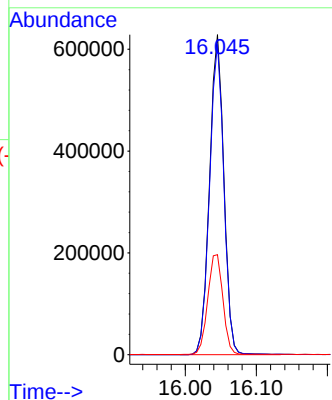
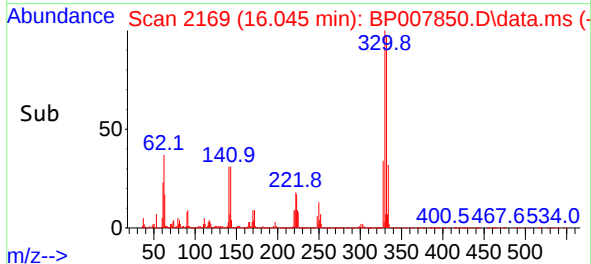
Instrument :
BNA_P
ClientSampleId :
S15-SP



Tgt Ion:330 Resp: 881678
Ion Ratio Lower Upper
330 100
332 96.9 78.9 118.3
141 33.2 30.7 46.1

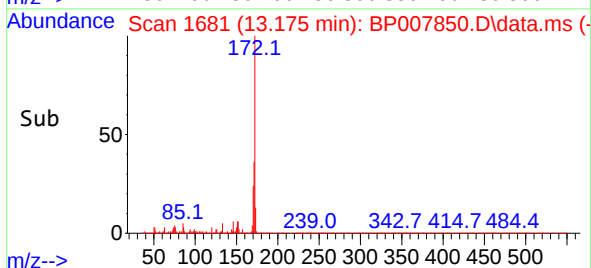
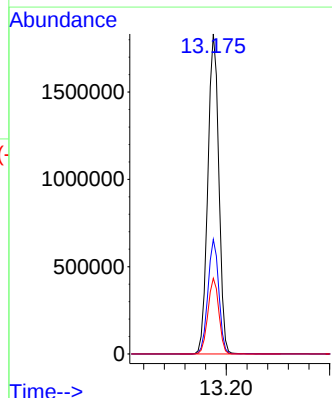
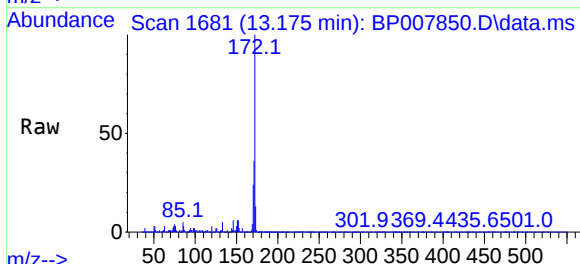
Manual Integrations
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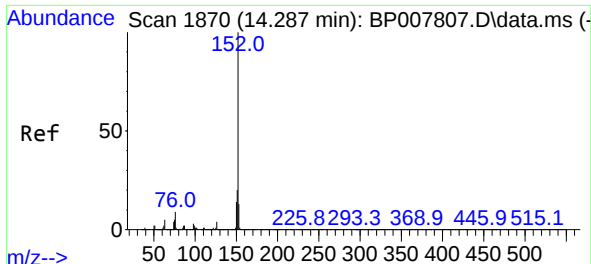
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#45
2-Fluorobiphenyl
Concen: 80.327 ng
RT: 13.175 min Scan# 1681
Delta R.T. -0.018 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

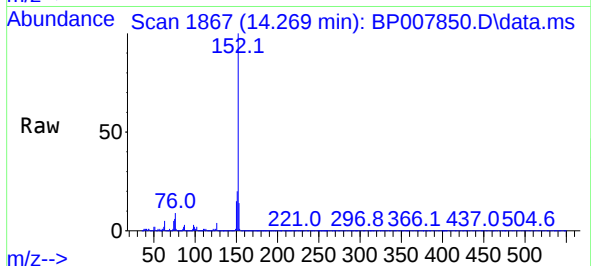
Tgt Ion:172 Resp: 2705043
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 23.7 19.0 28.4





#49
Acenaphthylene
Concen: 5.265 ng
RT: 14.269 min Scan# 1867
Delta R.T. -0.018 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

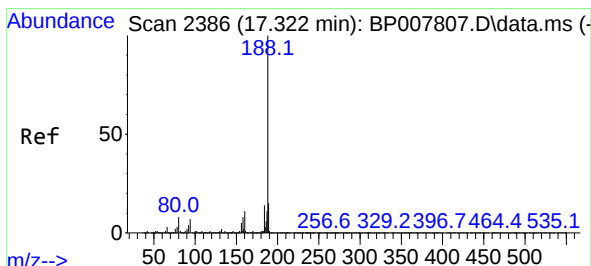
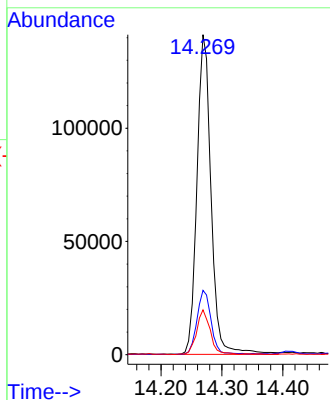
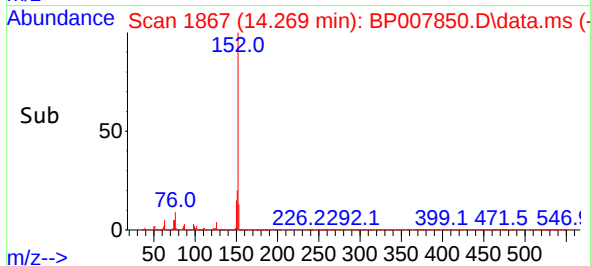
Instrument :
BNA_P
ClientSampleId :
S15-SP



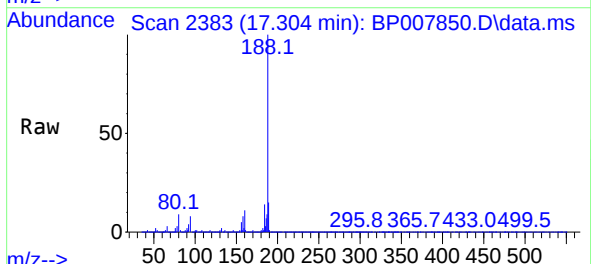
Tgt Ion:152 Resp: 227494
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 14.0 10.2 15.2

Manual Integrations
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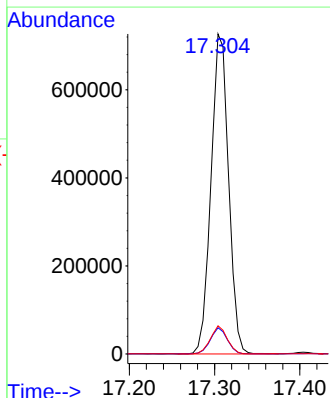
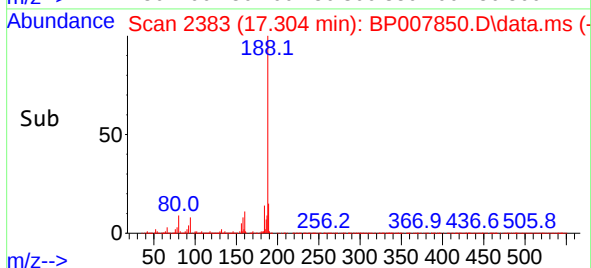
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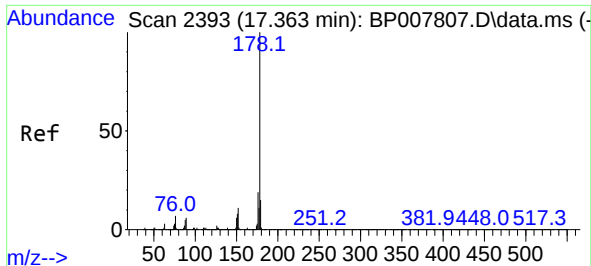


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2383
Delta R.T. -0.018 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21



Tgt Ion:188 Resp: 1041957
Ion Ratio Lower Upper
188 100
94 8.2 7.1 10.7
80 8.8 7.8 11.6





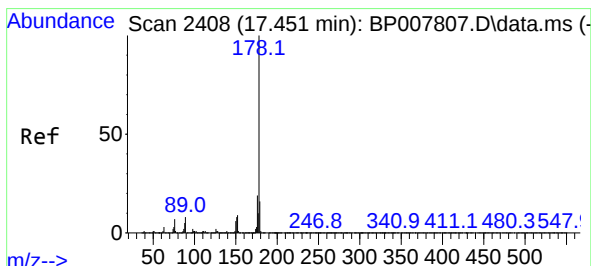
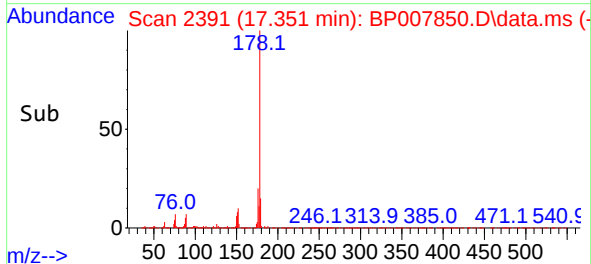
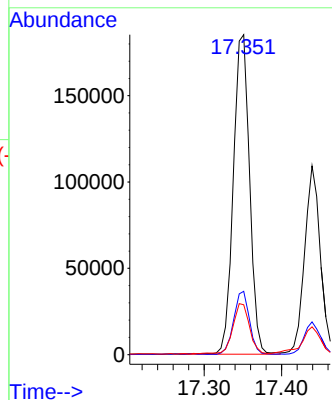
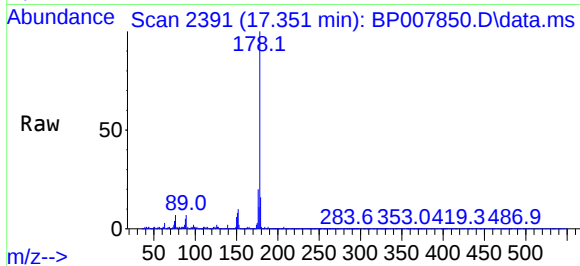
#71
Phenanthrene
Concen: 4.946 ng
RT: 17.351 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Instrument :
BNA_P
ClientSampleId :
S15-SP

Tgt Ion:178 Resp: 270919
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 15.6 12.3 18.5

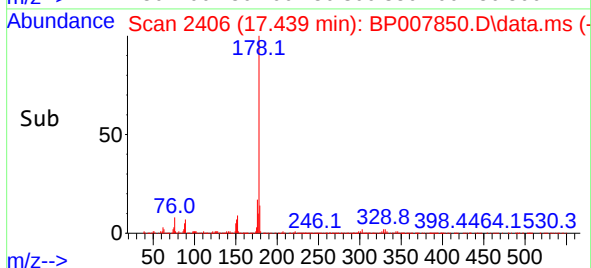
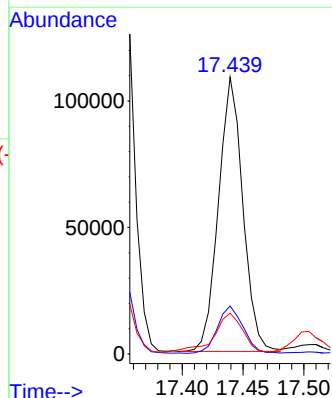
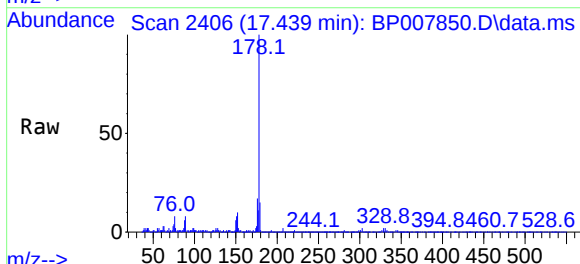
Manual Integrations
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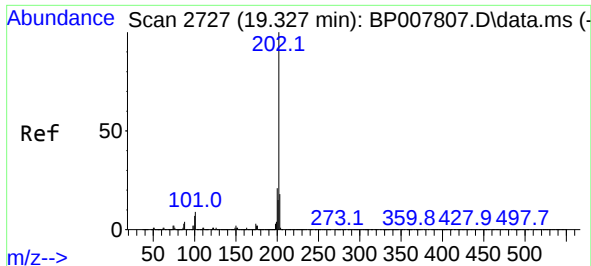
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#72
Anthracene
Concen: 2.800 ng
RT: 17.439 min Scan# 2406
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion:178 Resp: 150948
Ion Ratio Lower Upper
178 100
176 17.3 15.0 22.6
179 14.7 12.2 18.4





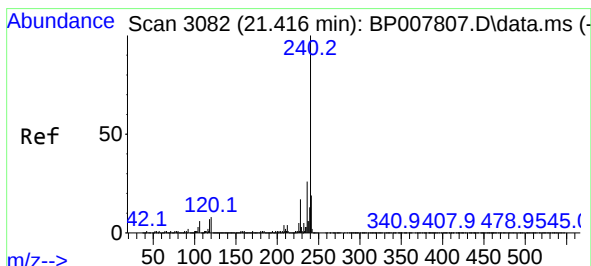
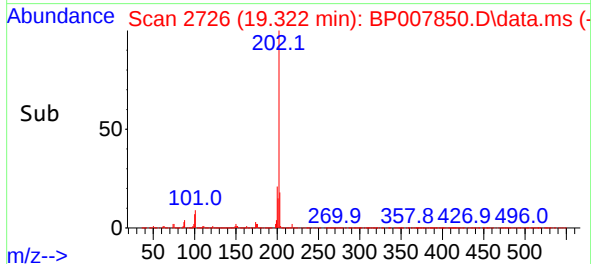
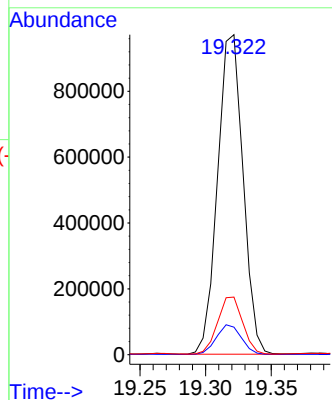
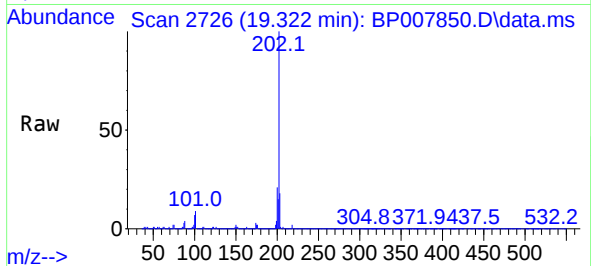
#75
Fluoranthene
Concen: 18.985 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Instrument :
BNA_P
ClientSampleId :
S15-SP

Tgt Ion:202 Resp: 131180
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.4
203 18.0 0.0 37.6

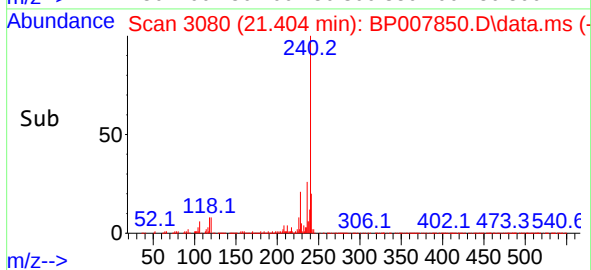
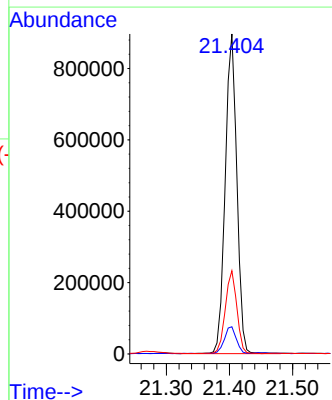
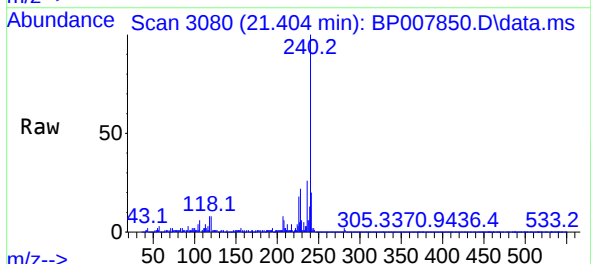
Manual Integrations
APPROVED

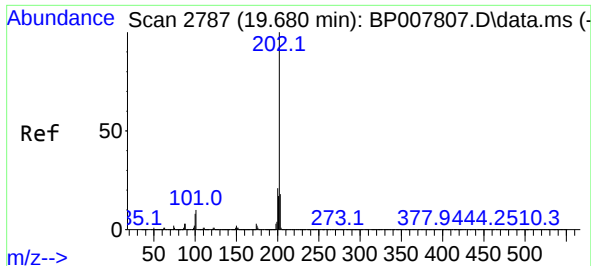
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3080
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

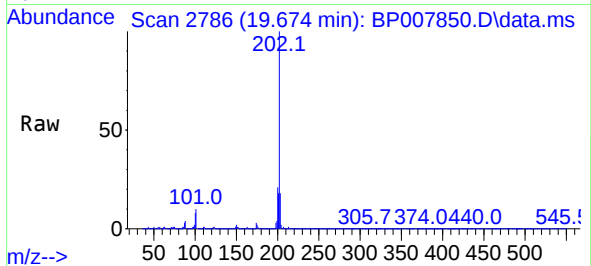
Tgt Ion:240 Resp: 1143552
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.8
236 26.0 20.6 30.8





#78
Pyrene
Concen: 22.766 ng
RT: 19.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

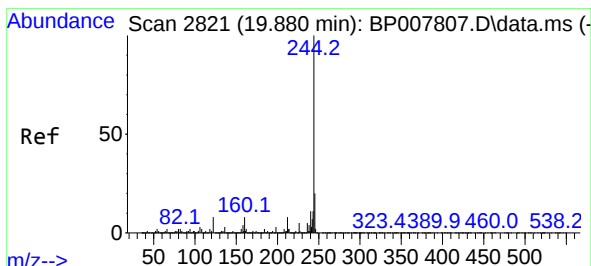
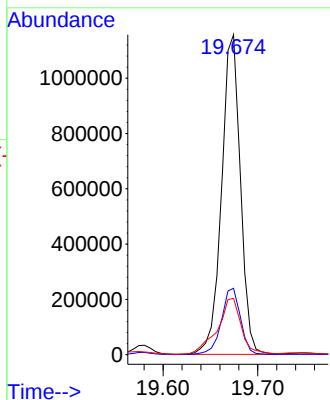
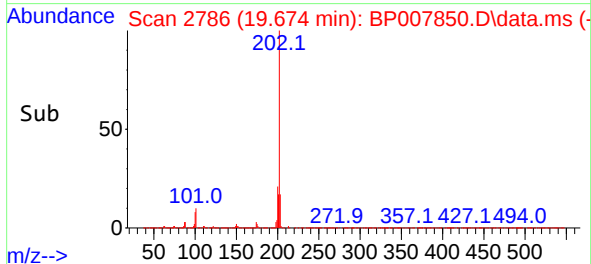
Instrument :
BNA_P
ClientSampleId :
S15-SP



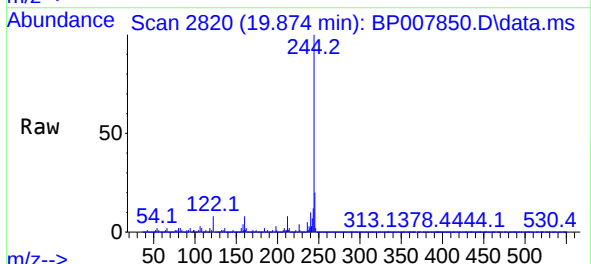
Tgt Ion:202 Resp: 159674
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 17.6 13.8 20.6

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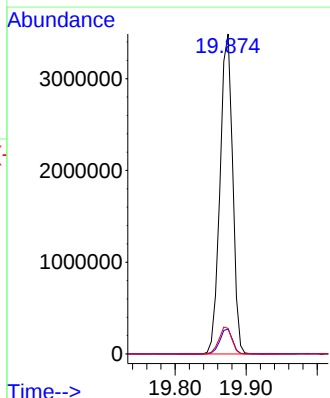
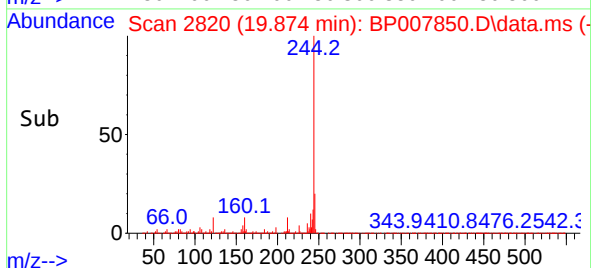
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

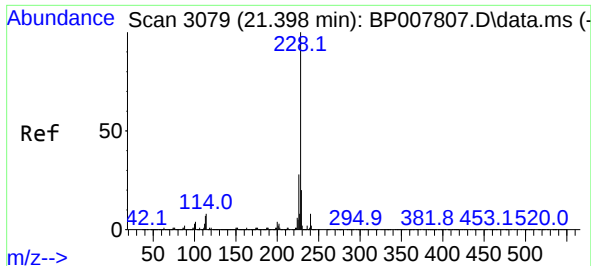


#79
Terphenyl-d14
Concen: 76.210 ng
RT: 19.874 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21



Tgt Ion:244 Resp: 4279850
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 8.0 7.8 11.8





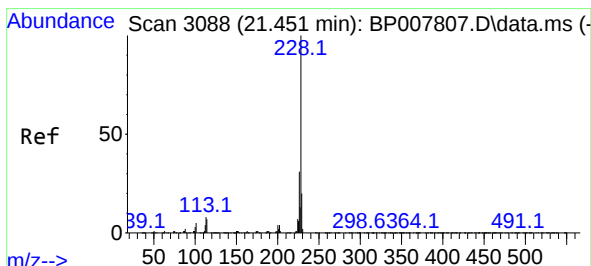
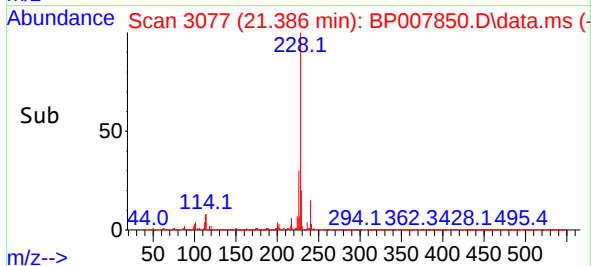
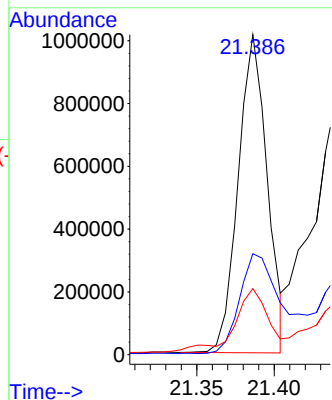
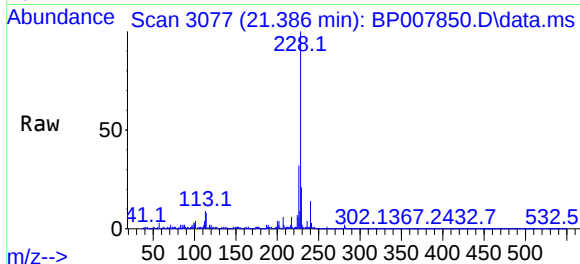
#81
Benzo(a)anthracene
Concen: 17.533 ng
RT: 21.386 min Scan# 3077
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Instrument :
BNA_P
ClientSampleId :
S15-SP

Tgt Ion:228 Resp: 132091
Ion Ratio Lower Upper
228 100
226 31.6 21.8 32.6
229 20.7 15.7 23.5

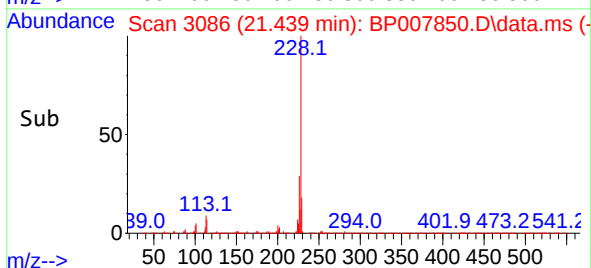
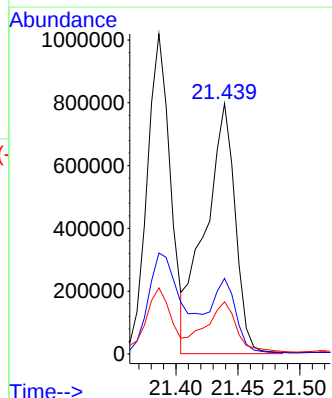
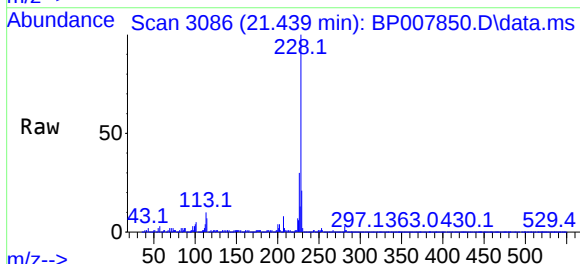
Manual Integrations
APPROVED

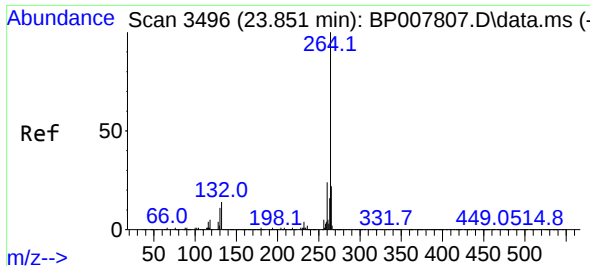
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#83
Chrysene
Concen: 18.842 ng m
RT: 21.439 min Scan# 3086
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

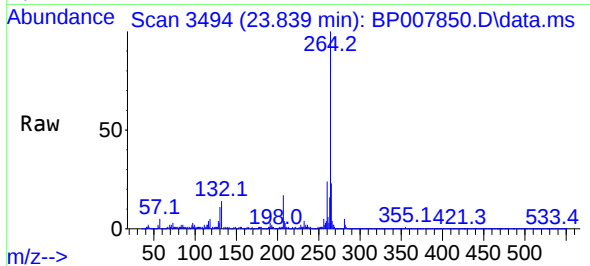
Tgt Ion:228 Resp: 1343838
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 20.8 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.839 min Scan# 3496
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

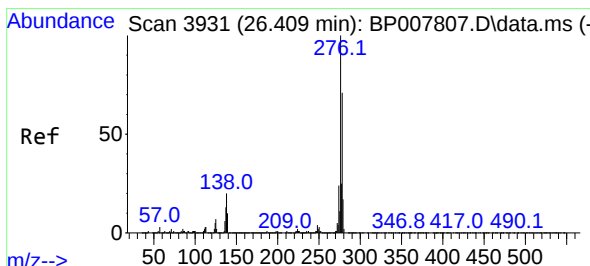
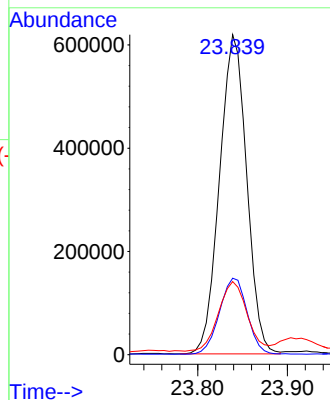
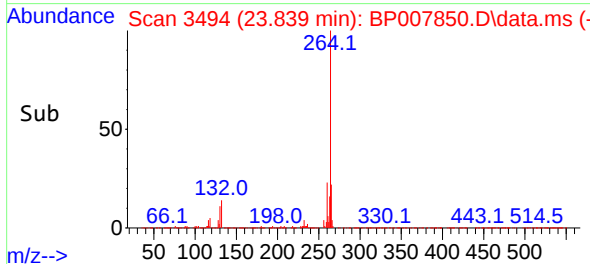
Instrument :
BNA_P
ClientSampleId :
S15-SP



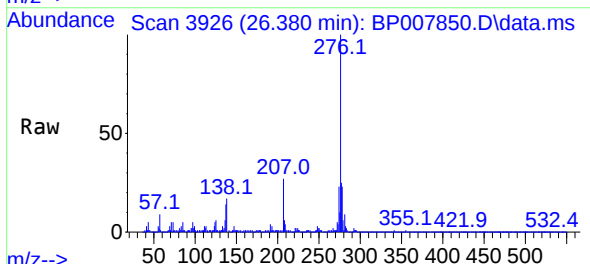
Tgt Ion:264 Resp: 129743
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 22.9 16.7 25.1

Manual Integrations
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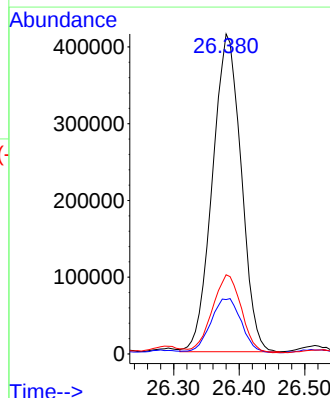
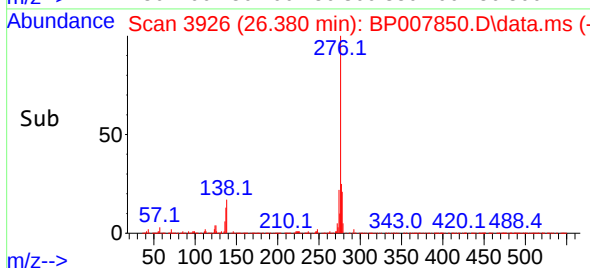
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

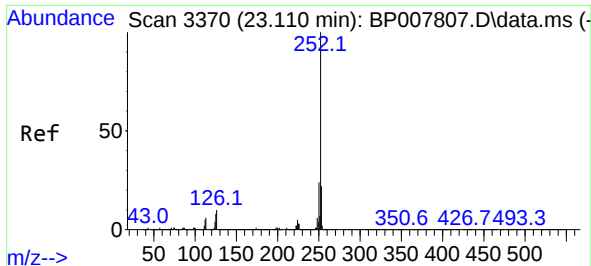


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.012 ng
RT: 26.380 min Scan# 3926
Delta R.T. -0.029 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21



Tgt Ion:276 Resp: 1258390
Ion Ratio Lower Upper
276 100
138 18.2 19.4 29.0#
277 24.8 20.2 30.2





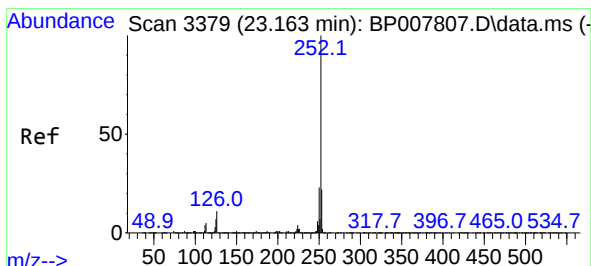
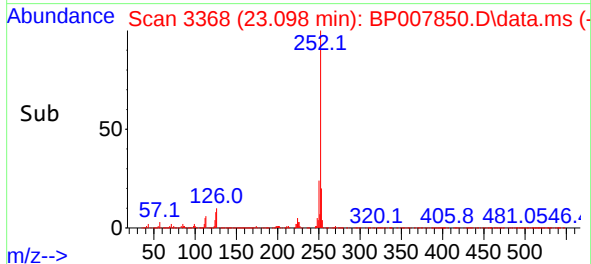
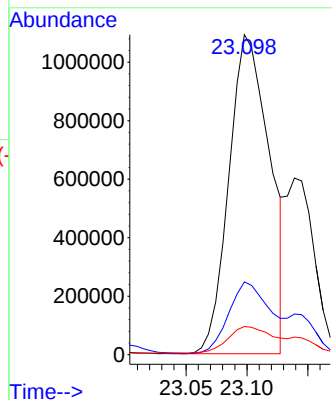
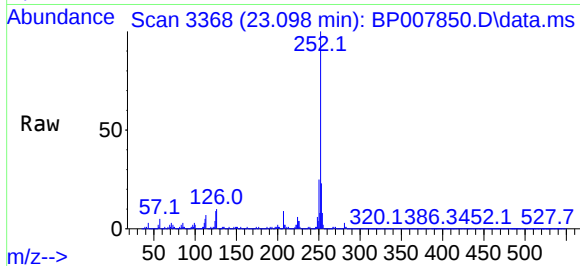
#88
Benzo(b)fluoranthene
Concen: 33.150 ng
RT: 23.098 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Instrument :
BNA_P
ClientSampleId :
S15-SP

Tgt Ion:252 Resp: 253533
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 8.8 7.4 11.0

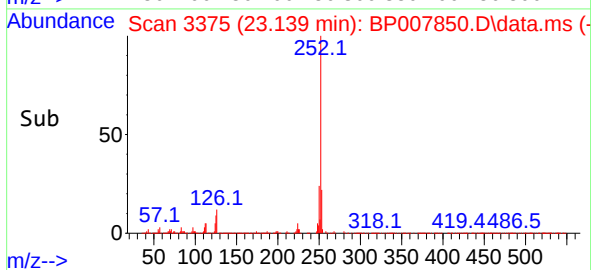
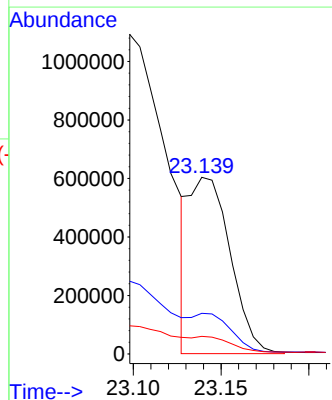
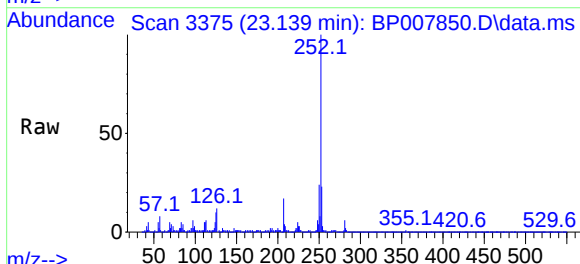
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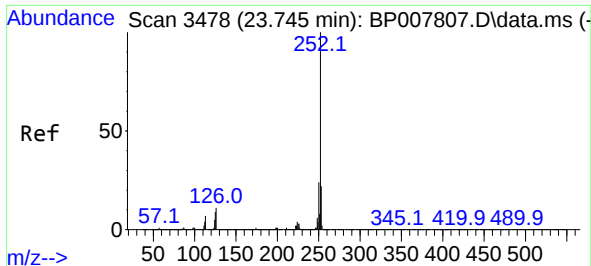
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#89
Benzo(k)fluoranthene
Concen: 12.839 ng m
RT: 23.139 min Scan# 3375
Delta R.T. -0.024 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Tgt Ion:252 Resp: 974571
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 10.0 7.4 11.0





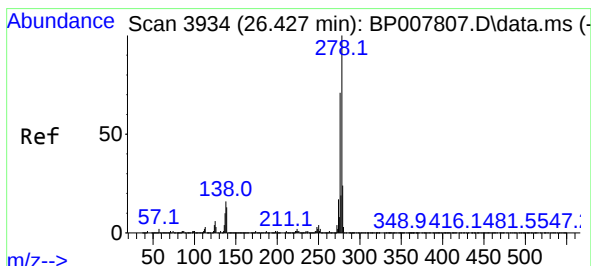
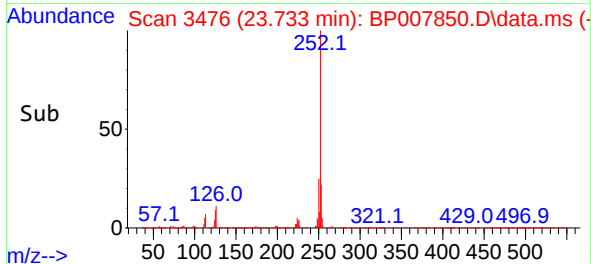
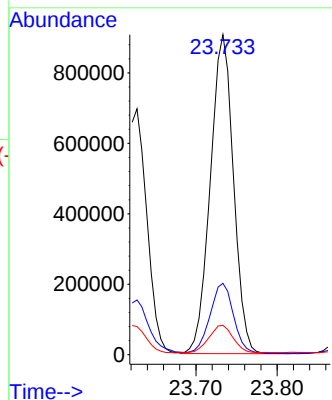
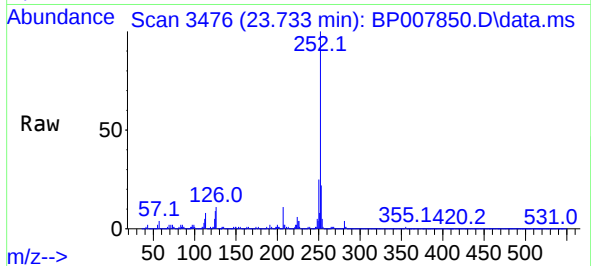
#90
Benzo(a)pyrene
Concen: 27.095 ng
RT: 23.733 min Scan# 3478
Delta R.T. -0.012 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Instrument :
BNA_P
ClientSampleId :
S15-SP

Tgt Ion:252 Resp: 1794288
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.2 8.4 12.6

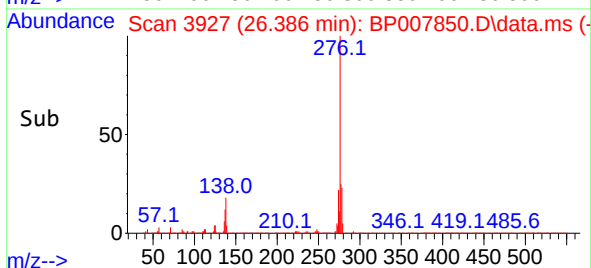
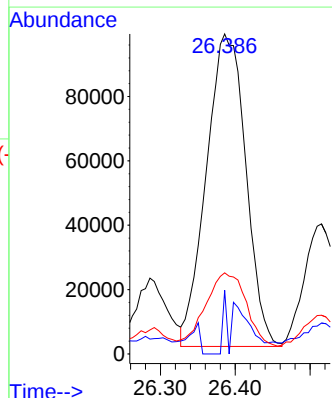
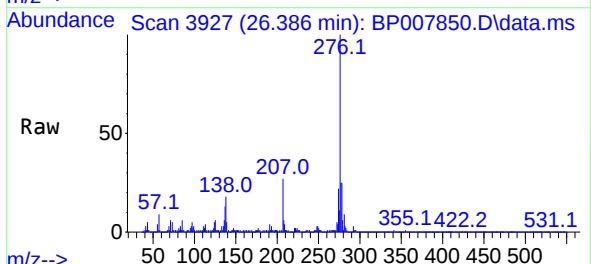
Manual Integrations
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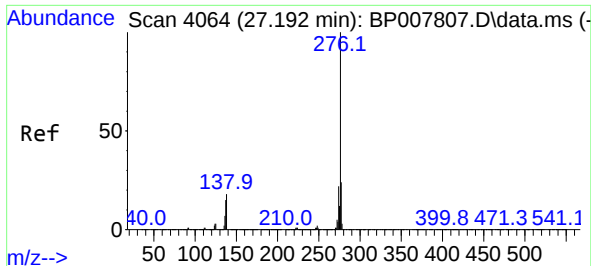
Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021



#91
Dibenzo(a,h)anthracene
Concen: 4.441 ng m
RT: 26.386 min Scan# 3927
Delta R.T. -0.041 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

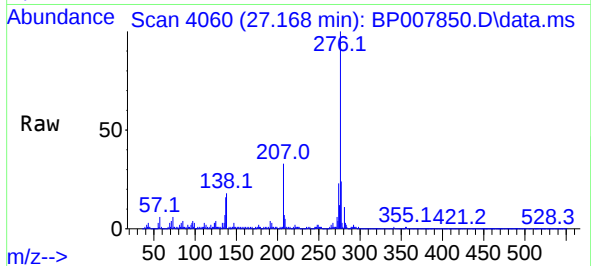
Tgt Ion:278 Resp: 355961
Ion Ratio Lower Upper
278 100
139 19.9 11.8 17.6#
279 25.3 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 15.059 ng
RT: 27.168 min Scan# 4060
Delta R.T. -0.024 min
Lab File: BP007850.D
Acq: 04 Nov 2021 16:21

Instrument :
BNA_P
ClientSampleId :
S15-SP



Tgt Ion:276 Resp: 1197480
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.0
138 18.3 16.2 24.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/08/2021
Supervised By :mohammad ahmed 11/08/2021

